

AVONDALE DWG NO C3-222		29-01-023	REV —
CAGE 94421	COMSC DWG NO 085-6975806		
GENERAL NOTES			
1. SOUNDING TUBE DESCRIPTIONS PENDING INSTALLATION.			
NO	DESCRIPTION		
RESERVATIONS			

UNIT:		CDRL: B031-3					
DISTRIBUTION STATEMENT APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.		THIS DWG INCORPORATES THE FOLLOWING CHANGE ORDERS					
		HMR	HMR	HMR	FMR	FMR	FMR
2375		SEAY					
AVONDALE NO		VESSEL		AVONDALE NO		VESSEL	
A Avondale Shipyards Division P O BOX 50280 NEW ORLEANS LA 70150-0280 CAGE 1CC97		AVONDALE JOB NO		C3-222			
		COMMANDER MILITARY SEALIFT COMMAND WASHINGTON, D.C. 20398-5100					
CONTRACT NUMBER N00024-93-C-2205		T-AKR 300 STRATEGIC SEALIFT SHIP					
DRAWN DATE A.R. 12/16/98		TANK CAPACITY CURVES (T-AKR 302 ONLY)					
CHECKED WDS 12/16/98		SIZE AVONDALE DWG NO REV C3-222 29-01-023 —					
APVD							
<i>Donnell</i> 12/16/98							
APVD		CAGE 94421		DWG NO COMSC 085-6975806			
SCALE				SH NO		1 OF 76	

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INDEX							
SH NO	TITLE	SH NO	TITLE	SH NO	TITLE		
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32	NO 6A WING BALLAST TANK P/S 8-99-4/3	67	CSA OILY WASTE HOLDING TANK 8-87-4				
33	NO 6B WING BALLAST TANK P/S 8-103-4/3	68	ENGINE ROOM WASTE OIL TANK 8-94-2				
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56	EM GEN FO SERVICE TANK 02.5-103-1						
57	ME/SSDG LO STORAGE TANK P 6.5-91-2						
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			REVISIONS	SIZE B	AVONDALE DWG NO		REV —
					C3-222 29-01-023		
					CAGE	DWG NO	
					94421	COMSC 085-6975806	
						SH NO 3	

GENERAL NOTES

1. THE TANK CAPACITY DATA PRESENTED IN THIS BOOKLET ARE BASED ON A ZERO TRIM AND LIST CONDITION OF THE VESSEL.
2. THE CALCULATIONS INCLUDE A 2% DEDUCTION VALUE FOR ITEMS SUCH AS STRUCTURE, PIPING AND OUTFITTING LOCATED WITHIN THE BOUNDARIES. THESE DEDUCTIONS WERE APPLIED UNIFORMLY OVER THE DEPTH OF THE TANK.
3. FOR SIMPLICITY, ANY SYMMETRICAL (PORT & STBD) TANKS ARE DESIGNATED AS "P OR S" ON THE HEADING OF THEIR RESPECTIVE CURVE PLOTS. THE DATA PROVIDED IN SUCH PLOTS ARE FOR EITHER PORT OR STBD TANKS. HOWEVER, VALUES FOR EACH TANK ARE LISTED IN THE TANK SUMMARY TABLES.
4. THE REFERENCE PLANES USED IN THE CURVES ARE AS FOLLOWS:
 - A) VERTICAL: BOTTOM OF THE KEEL = 0.07' BELOW BASELINE.
 - B) LONGITUDINAL: FWD PERPENDICULAR = 0.00' FROM FRAME 0
 - C) TRANSVERSE: LONGITUDINAL CENTERLINE = PORT IS POSITIVE, STARBOARD IS NEGATIVE.

NOTE: THE TCG VALUES SHOWN ON THE CURVES FOR SYMMETRICAL (P & S) TANKS ARE SHOWN AS POSITIVE VALUES. IF A SYMMETRICAL PAIR OF TANKS ARE USED INDIVIDUALLY, SIMPLY USE A NEGATIVE TCG VALUE FOR THE STARBOARD TANK.

5. THE FOLLOWING CONVERSION FACTORS MAY BE USEFUL:

<u>DIVIDE</u>	<u>BY</u>	<u>TO OBTAIN</u>
GALLONS	261.835	LONG TONS SALT WATER
GALLONS	269.316	LONG TONS FRESH WATER
GALLONS	316.596	LONG TONS DFM
GALLONS	291.759	LONG TONS LUBE OIL
GALLONS	7.481	CUBIC FEET

GENERAL NOTES (CONT'D)

5. CONVERSION FACTORS CONTINUED:

<u>MULTIPLY</u>	<u>BY</u>	<u>TO OBTAIN</u>
LONG TONS	2240	POUNDS
LONG TONS	1.12	SHORT TONS
LONG TONS	1.016	METRIC TONS
LONG TONS SW	35.00	CUBIC FEET
LONG TONS FW	36.00	CUBIC FEET
LONG TONS DFM	42.32	CUBIC FEET
LONG TONS LO	39.00	CUBIC FEET

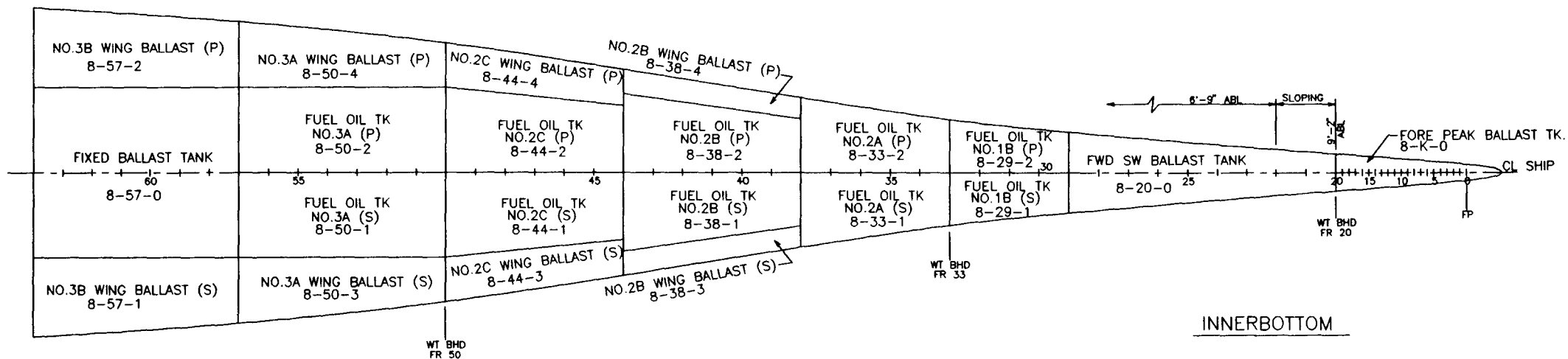
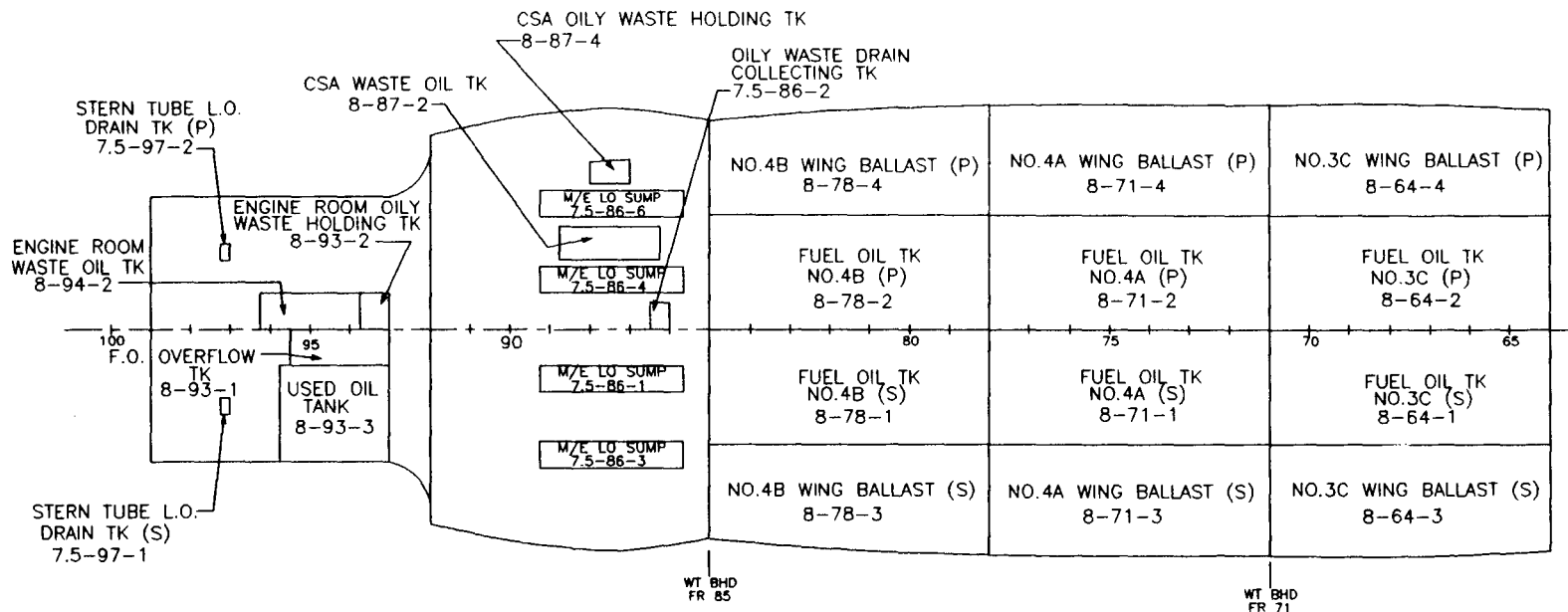
6. ALL CURVES EXCEPT THE VCG CURVE ARE TO BE READ AS FOLLOWS: DETERMINE THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE, READ ACROSS TO THE DESIRED CURVE, THEN READ UP OR DOWN TO THE APPROPRIATE SCALE.

THE VCG CURVE IS READ BY FIRST DETERMINING THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE AND THEN READ ACROSS TO THE CAPACITY CURVE. NEXT, READ DOWN TO THE VCG CURVE AND THEN BACK TO THE "HEIGHT ABOVE KEEL" SCALE.

THE CONVERSION OF CURVE READINGS IS DETERMINED BY USING THE CORRESPONDING SCALING VALUES IN THE LOWER RIGHT CORNER OF EACH PLOT.

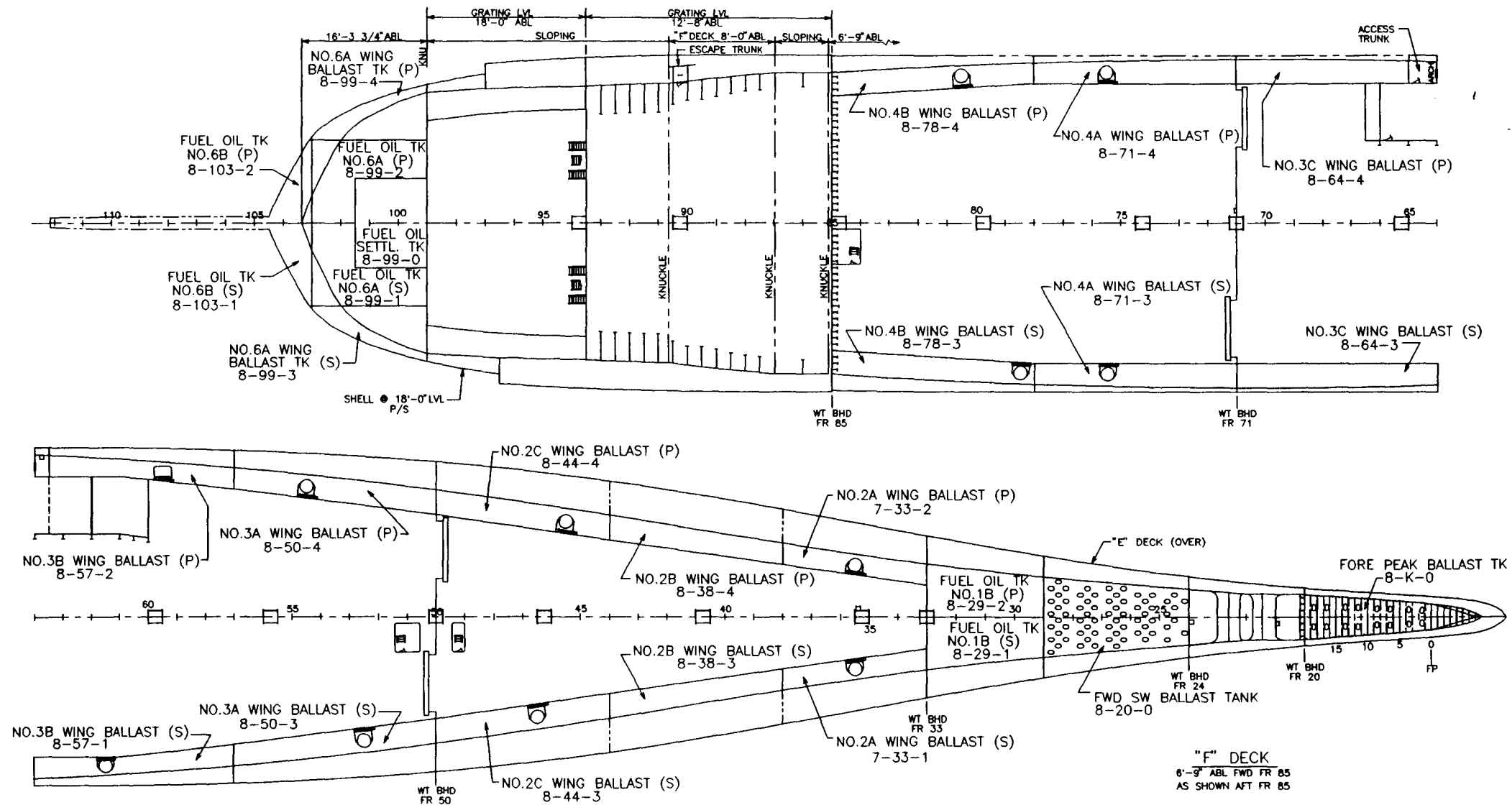
REVISIONS	SIZE B	AVONDALE DWG NO C3-222 29-01-023		REV -
		CAGE 94421	DWG NO COMSC 085-6975806	
			SH NO	4

										REVISIONS																
										REV	SH ZN	DESCRIPTION														
															SIZE	AVONDALE DWG NO					REV					
															B	C3-222					29-01-023					-
																CAGE	DWG NO									
															94421	COMSC					085-6975806					
																				SH NO					5	



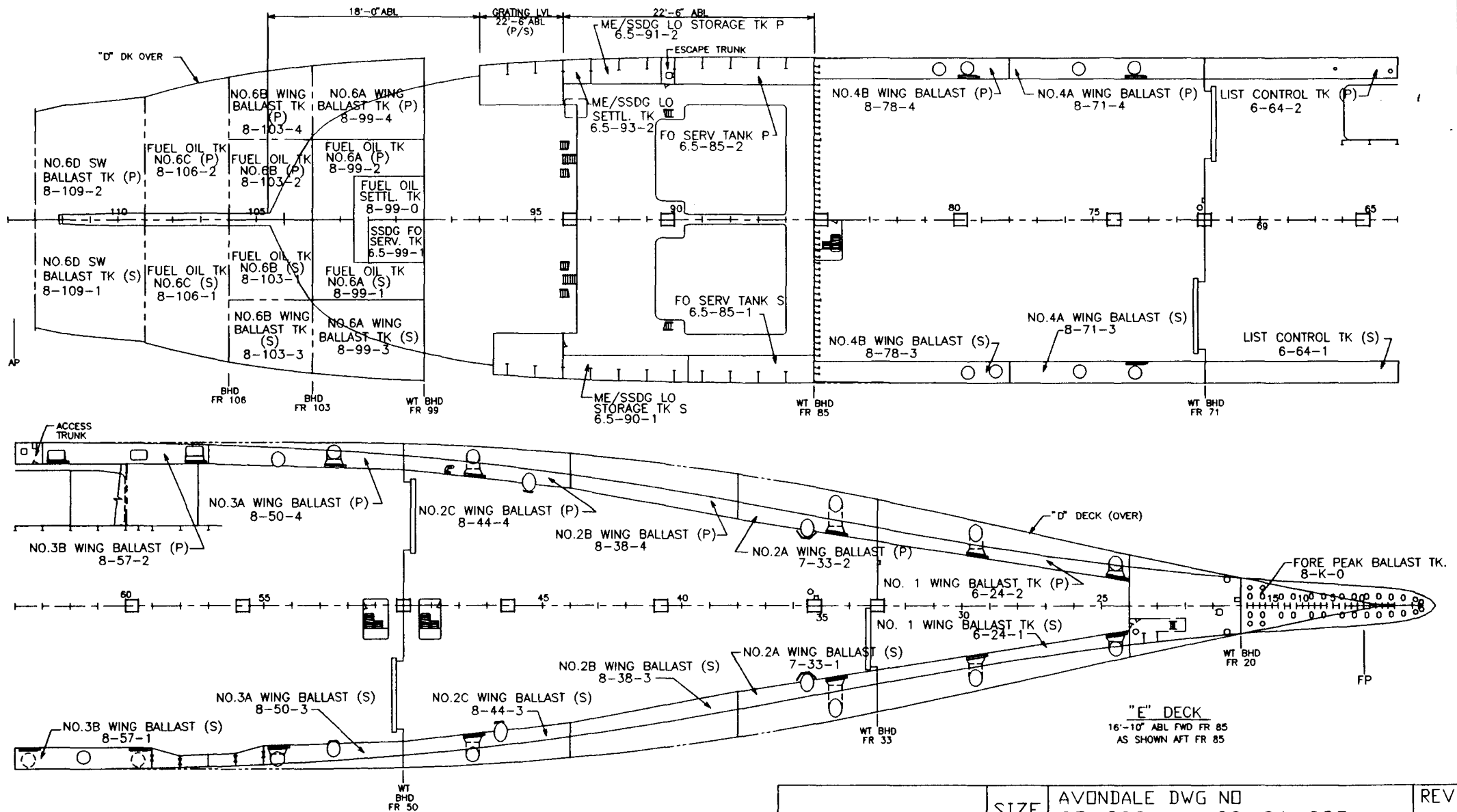
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
	B	C3-222 29-01-023		—
		CAGE	DWG NO	
	94421	COMSC 085-6975806		
			SH NO 6	



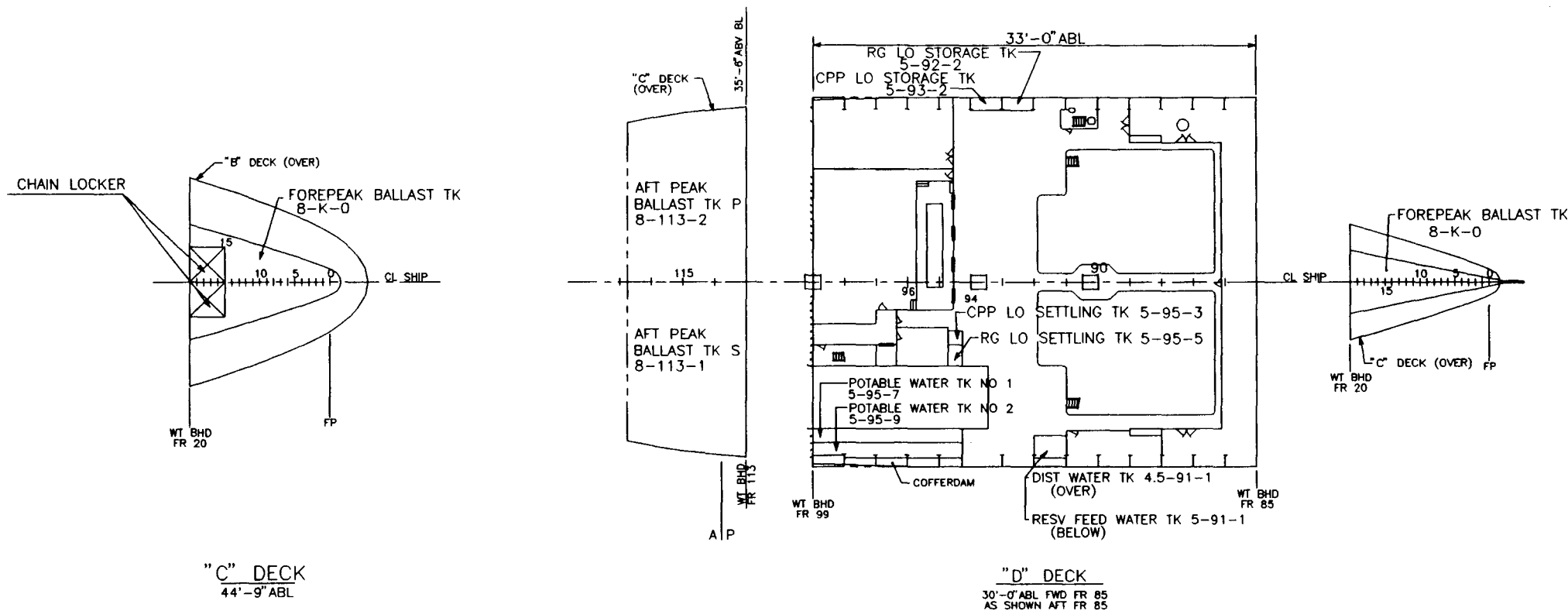
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
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	CAGE	DWG NO		
	94421	COMSC	085-6975806	
		SH NO		
		7		



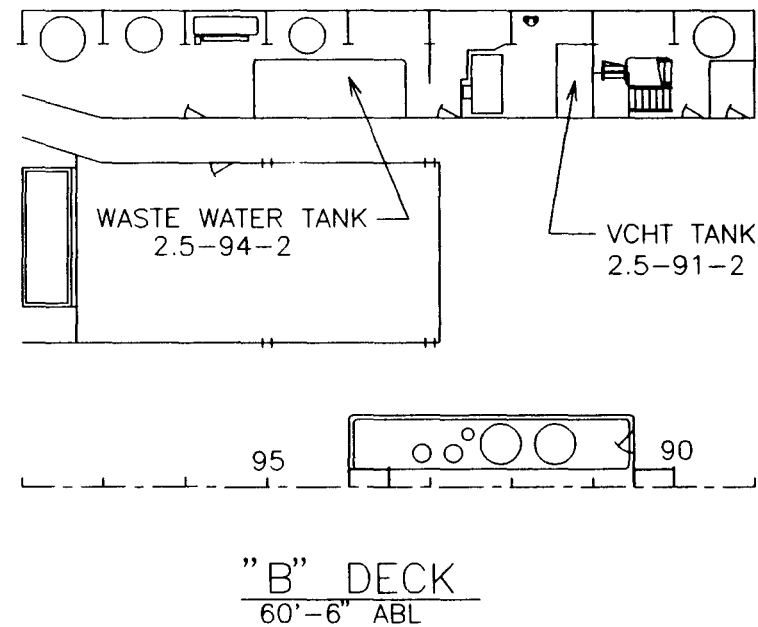
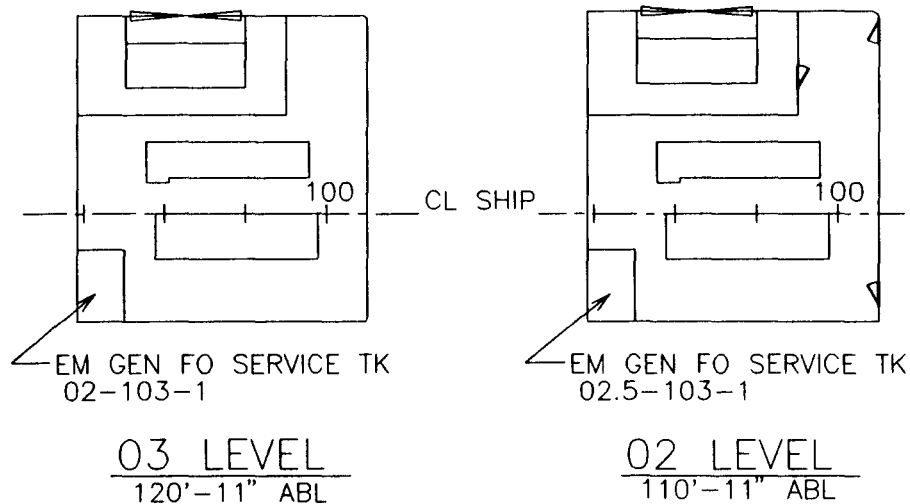
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
		C3-222	29-01-023	
	B	CAGE	DWG NO	
		94421	COMSC	085-6975806
			SH NO	8



KEY PLAN

REVISIONS	SIZE B	AVONDALE DWG NO C3-222 29-01-023		REV -
		CAGE 94421	DWG NO COMSC 085-6975806	
			SH NO 9	



KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
	B	C3-222	29-01-023	—
		CAGE	DWG NO	
		94421	COMSC 085-6975806	
			SH NO 10	

BALLAST TANK SUMMARY

TANK	FRAME	CAPACITY 00% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
FOREPEAK	8-K-0	STEM-20	326785	36.98	18.54	0.00	9415.0
FWD SW BALLAST TK	8-20-0	20-29	134879	9.55	95.19	-0.02	3338.7
NO 1 WING BALLAST TK P	6-24-2	24-33	52493	24.68	120.74	19.24	718.4
NO 1 WING BALLAST TK S	6-24-1	24-33	54265	24.49	120.19	-19.12	719.5
NO 2A WING BALLAST TK P	7-33-2	33-38	74305	18.85	180.34	24.95	515.4
NO 2A WING BALLAST TK S	7-33-1	33-38	74749	18.75	180.32	-24.88	533.5
NO 2B WING BALLAST TK P	8-38-4	38-44	108367	17.62	228.83	31.90	887.6
NO 2B WING BALLAST TK S	8-38-3	38-44	108367	17.62	228.83	-31.90	887.6
NO 2C WING BALLAST TK P	8-44-4	44-50	103007	15.61	283.22	37.61	802.7
NO 2C WING BALLAST TK S	8-44-3	44-50	102877	15.58	282.90	-37.63	764.8
NO 3A WING BALLAST TK P	8-50-4	50-57	124786	13.78	341.87	41.46	816.0
NO 3A WING BALLAST TK S	8-50-3	50-57	122339	13.57	341.65	-41.41	816.0
NO 3B WING BALLAST TK P	8-57-2	57-64	121702	11.13	403.27	42.28	1786.4
NO 3B WING BALLAST TK S	8-57-1	57-64	127398	11.27	404.93	-42.61	1786.4
NO 3C WING BALLAST TK P	8-64-4	64-71	103286	6.44	469.27	40.92	2414.6
NO 3C WING BALLAST TK S	8-64-3	64-71	108876	6.73	467.80	-41.29	2414.6
NO 4A WING BALLAST TK P	8-71-4	71-78	143013	11.15	530.14	43.28	2350.3
NO 4A WING BALLAST TK S	8-71-3	71-78	144204	11.15	530.12	-43.33	2350.3
NO 4B WING BALLAST TK P	8-78-4	78-85	137277	11.83	593.94	42.85	1839.0
NO 4B WING BALLAST TK S	8-78-3	78-85	138709	11.87	594.35	-42.90	1839.0
NO 6A WING BALLAST TK P	8-99-4	99-103	79092	24.73	767.41	36.11	1330.7
NO 6A WING BALLAST TK S	8-99-3	99-103	79092	24.73	767.41	-36.11	1330.7
NO 6B WING BALLAST TK P	8-103-4	103-106	33054	27.07	799.08	34.53	682.5
NO 6B WING BALLAST TK S	8-103-3	103-106	33054	27.07	799.08	-34.53	682.5
NO 6D SW BALLAST TK P	8-109-2	109-113	36960	30.62	857.13	12.12	1714.8
NO 6D SW BALLAST TK S	8-109-1	109-113	36960	30.62	857.13	-12.12	1714.8
AFT PEAK BALLAST TK P	8-113-2	113-117	92901	39.83	893.02	19.17	6929.8
AFT PEAK BALLAST TK S	8-113-1	113-117	92901	39.83	893.02	-19.17	6929.8
TOTALS			2895698	19.07	404.32	-0.21	58311.4

FRESH WATER TANK SUMMARY

TANK	FRAME	CAPACITY 00% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
POTABLE WATER TANK NO 1	5-95-7	94-99	12706	38.90	729.75	-44.26	4.1
POTABLE WATER TANK NO 2	5-95-9	94-99	15827	38.94	729.07	-48.17	8.1
RESV FEED WATER TANK	5-91-1	91-92	2513	35.91	683.50	-47.21	5.5
DIST WATER TANK	4.5-91-1	91-92	2513	41.98	683.50	-47.21	5.5
TOTALS			33559	38.93	722.69	-46.54	23.2

LIST CONTROL TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
LIST CONTROL TANK P 6-64-2	64-71	42076	23.48	467.50	49.46	48.7
LIST CONTROL TANK S 6-64-1	64-71	42076	23.48	467.50	-49.46	48.7
TOTALS		84152	23.48	467.50	0.00	97.4

FIXED BALLAST TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FIXED BALLAST TANK 8-57-0	57-64	162126	3.45	404.50	0.0	0.0
TOTALS		162126	3.45	404.50	0.0	0.0

REVISIONS

SIZE

B

AVONDALE DWG NO
C3-222 29-01-023

CAGE
94421

DWG NO
COMSC 085-6975806

REV
-

SH NO 11

FUEL OIL TANK SUMMARY									
TANK		FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
					VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
FUEL OIL TANK NO 1B P	8-29-2	29-33	66501	65173	9.95	139.78	8.43	757.3	
FUEL OIL TANK NO 1B S	8-29-1	29-33	66501	65173	9.95	139.78	-8.43	757.3	
FUEL OIL TANK NO 2A P	8-33-2	33-38	30620	30007	3.96	180.92	7.52	679.7	
FUEL OIL TANK NO 2A S	8-33-1	33-38	30620	30007	3.96	180.92	-7.52	679.7	
FUEL OIL TANK NO 2B P	8-38-2	38-44	48679	47705	3.65	230.86	9.48	915.9	
FUEL OIL TANK NO 2B S	8-38-1	38-44	48679	47705	3.65	230.86	-9.48	915.9	
FUEL OIL TANK NO 2C P	8-44-2	44-50	60550	59337	3.46	284.21	11.45	1349.7	
FUEL OIL TANK NO 2C S	8-44-1	44-50	60550	59337	3.46	284.21	-11.45	1349.7	
FUEL OIL TANK NO 3A P	8-50-2	50-57	80829	79212	3.39	341.56	12.97	2136.6	
FUEL OIL TANK NO 3A S	8-50-1	50-57	80829	79212	3.39	341.56	-12.97	2136.6	
FUEL OIL TANK NO 3C P	8-64-2	64-71	81063	79442	3.38	467.50	13.00	2136.6	
FUEL OIL TANK NO 3C S	8-64-1	64-71	81063	79442	3.38	467.50	-13.00	2136.6	
FUEL OIL TANK NO 4A P	8-71-2	71-78	81063	79442	3.38	530.50	13.00	2136.6	
FUEL OIL TANK NO 4A S	8-71-1	71-78	81063	79442	3.38	530.50	-13.00	2136.6	
FUEL OIL TANK NO 4B P	8-78-2	78-85	80921	79303	3.38	593.45	12.98	2126.2	
FUEL OIL TANK NO 4B S	8-78-1	78-85	80921	79303	3.38	593.45	-12.98	2126.2	
FUEL OIL TANK NO 6A P	8-99-2	99-103	75747	74232	23.02	771.74	16.07	705.8	
FUEL OIL TANK NO 6A S	8-99-1	99-103	75747	74232	23.02	771.74	-16.07	705.8	
FUEL OIL TANK NO 6B P	8-103-2	103-106	65123	63821	25.04	799.72	12.60	915.7	
FUEL OIL TANK NO 6B S	8-103-1	103-106	65123	63821	25.04	799.72	-12.60	915.7	
FUEL OIL TANK NO 6C P	8-106-2	106-109	57393	56245	27.61	825.97	17.25	4225.2	
FUEL OIL TANK NO 6C S	8-106-1	106-109	57393	56245	27.61	825.97	-17.25	4225.2	
SSDG FO SERVICE TANK	6.5-99-1	99-101	12010	11770	28.26	760.00	-7.00	95.3	
FUEL OIL SETTLING TANK	8-99-0	99-102	76446	74917	20.76	762.17	1.03	953.2	
FUEL OIL SERVICE TK P	6.5-85-2	85-90	30837	30221	27.72	647.49	48.45	61.4	
FUEL OIL SERVICE TK S	6.5-85-1	85-90	27764	27209	27.72	645.25	-48.45	55.3	
EM GEN FO SERVICE TK	02.5-103-1	102-103	2566	2515	120.49	785.12	-8.00	5.2	
TOTALS			1606601	1574470	11.40	512.14	0.08	37341.0	

LUBE OIL TANK SUMMARY									
TANK		FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
					VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
ME/SSDG LO STORAGE TK P	6.5-91-2	91-93	15237	14933	27.76	685.72	48.40	33.2	
ME/SSDG LO STORAGE TK S	6.5-90-1	90-94	27389	26852	27.77	685.63	-48.39	59.9	
ME/SSDG LO SETTLING TK P	6.5-93-2	93-94	5990	5870	27.81	701.49	48.33	13.3	
CPP LO STORAGE TANK	5-93-2	93-94	2765	2710	38.83	701.50	51.12	0.9	
CPP LO SETTLING TANK	5-95-3	94-95	587	575	35.52	710.50	-16.00	0.5	
RG LO STORAGE TANK	5-92-2	92-93	2776	2721	38.83	692.50	51.12	0.9	
RG LO SETTLING TANK	5-95-5	94-95	1408	1380	36.99	710.50	-21.00	1.8	
ME LO SUMP TK S	7.5-86-1	86-89	5664	5551	8.14	643.36	-11.00	11.9	
ME LO SUMP TK P	7.5-86-4	86-89	5664	5551	8.14	643.36	11.00	11.9	
ME LO SUMP TK S	7.5-86-3	86-89	5659	5546	8.14	643.36	-28.17	11.9	
ME LO SUMP TK P	7.5-86-6	86-89	5659	5546	8.14	643.36	28.17	11.9	
TOTALS			78798	77235	23.13	676.13	-0.69	158.1	

MISCELLANEOUS TANK SUMMARY									
TANK		FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
					VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
CSA WASTE OIL TANK	8-87-2	86-89	9067	8886	4.23	647.31	19.54	18.0	
CSA OILY WASTE HOLDING TANK	8-87-4	87-88	2073	2031	5.03	647.36	35.61	2.6	
ENGINE ROOM WASTE OIL TANK	8-94-2	94-97	8199	8035	8.77	714.88	4.04	23.2	
ENGINE ROOM OILY WASTE HOLDING TK	8-93-2	93-94	2418	2369	7.14	700.33	4.04	7.0	
OILY WASTE DRAIN COLLECTING TANK	7.5-86-2	86-87	627	615	5.97	636.26	3.00	1.9	
USED OIL TANK	8-93-3	93-96	26453	25917	8.47	709.13	-21.09	1041.8	
FO OVERFLOW TANK	8-93-1	93-96	8209	8045	8.03	708.11	-4.04	23.2	
STERN TUBE LO DRAIN TANK P	7.5-97-2	97-98	103	101	11.23	734.13	17.58	0.3	
STERN TUBE LO DRAIN TANK S	7.5-97-1	97-98	103	101	11.23	734.13	-17.58	0.3	
VCHT TANK	2.5-91-2	91-92	2352	2305	67.26	681.01	45.17	5.5	
WASTE WATER TANK	2.5-94-2	94-95	11707	11473	70.33	708.05	44.25	10.9	
TOTALS			71311	69878	21.82	698.27	6.19	1134.7	

REVISIONS		SIZE	AVONDALE DWG NO		REV
		B	C3-222	29-01-023	-
			CAGE	DWG NO	
			94421	COMSC	085-6975806
				SH NO	12

TANK: FOREPEAK BALLAST TANK 8-K-0

SCALE IN INCHES

FRAMES 1 2 3 4 5 6 7 8 9 10 11 12 13 14
 TOP OF TANK = 60.57 FT ABOVE KEEL
 BOTTOM OF TANK = 10.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	326785	36.98	18.54	0.00	MAXIMUM
					9415.0

NOTE (1) SYMMETRICAL TANK (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
 TCG = 0 AT ALL LEVELS
 THIS VALUE IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1000 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 10 FT)

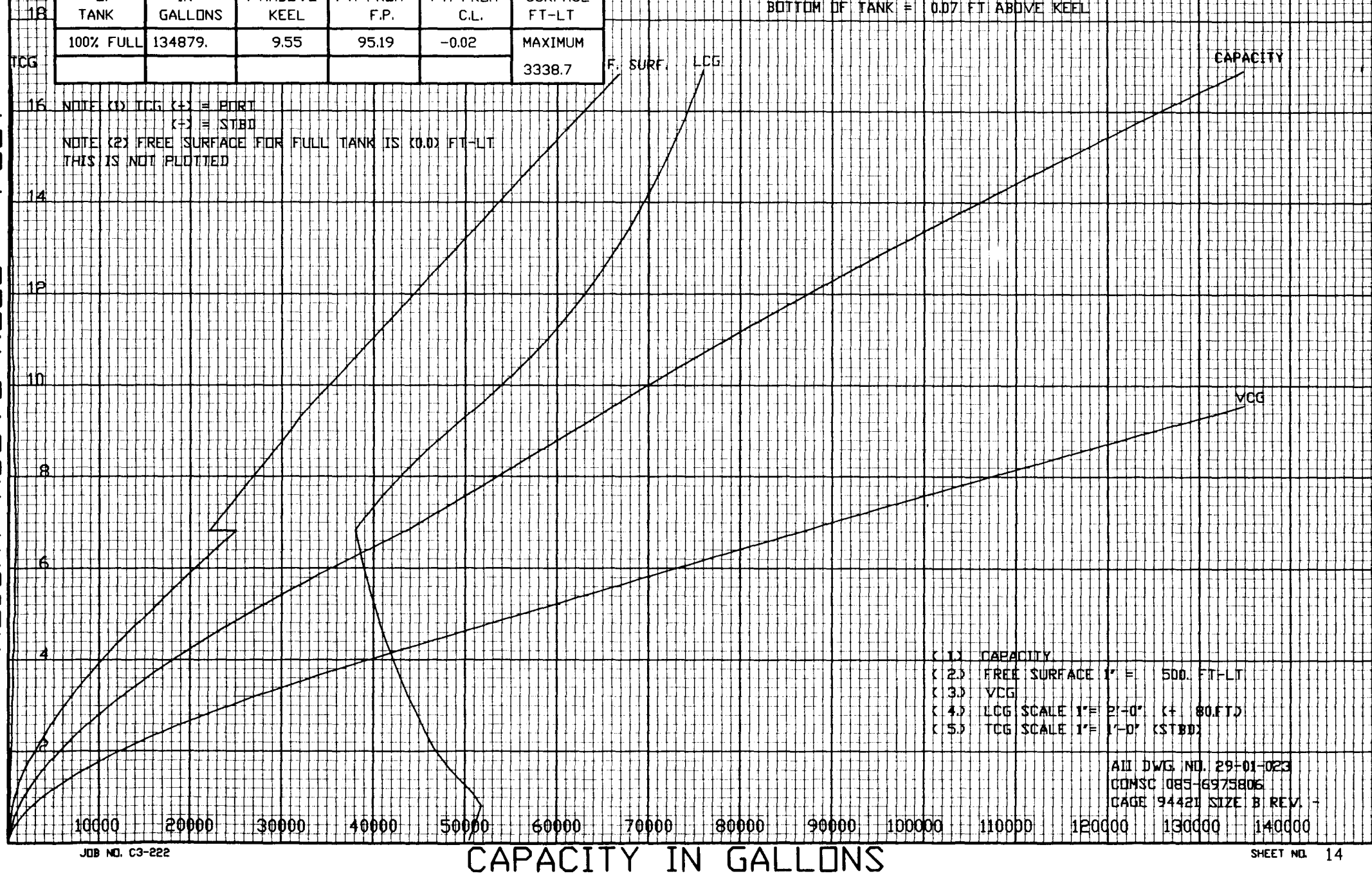
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TANK: FWD SW BALLAST TANK 8-20-0

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	134879.	9.55	95.19	-0.02	MAXIMUM
					3338.7

SCALE IN INCHES
FRAMES 20-29

TOP OF TANK = 16.90 FT ABOVE KEEL
BOTTOM OF TANK = 0.07 FT ABOVE KEEL



TANK: NO 1 WING BALLAST TANK P 6-24-2

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 24-33

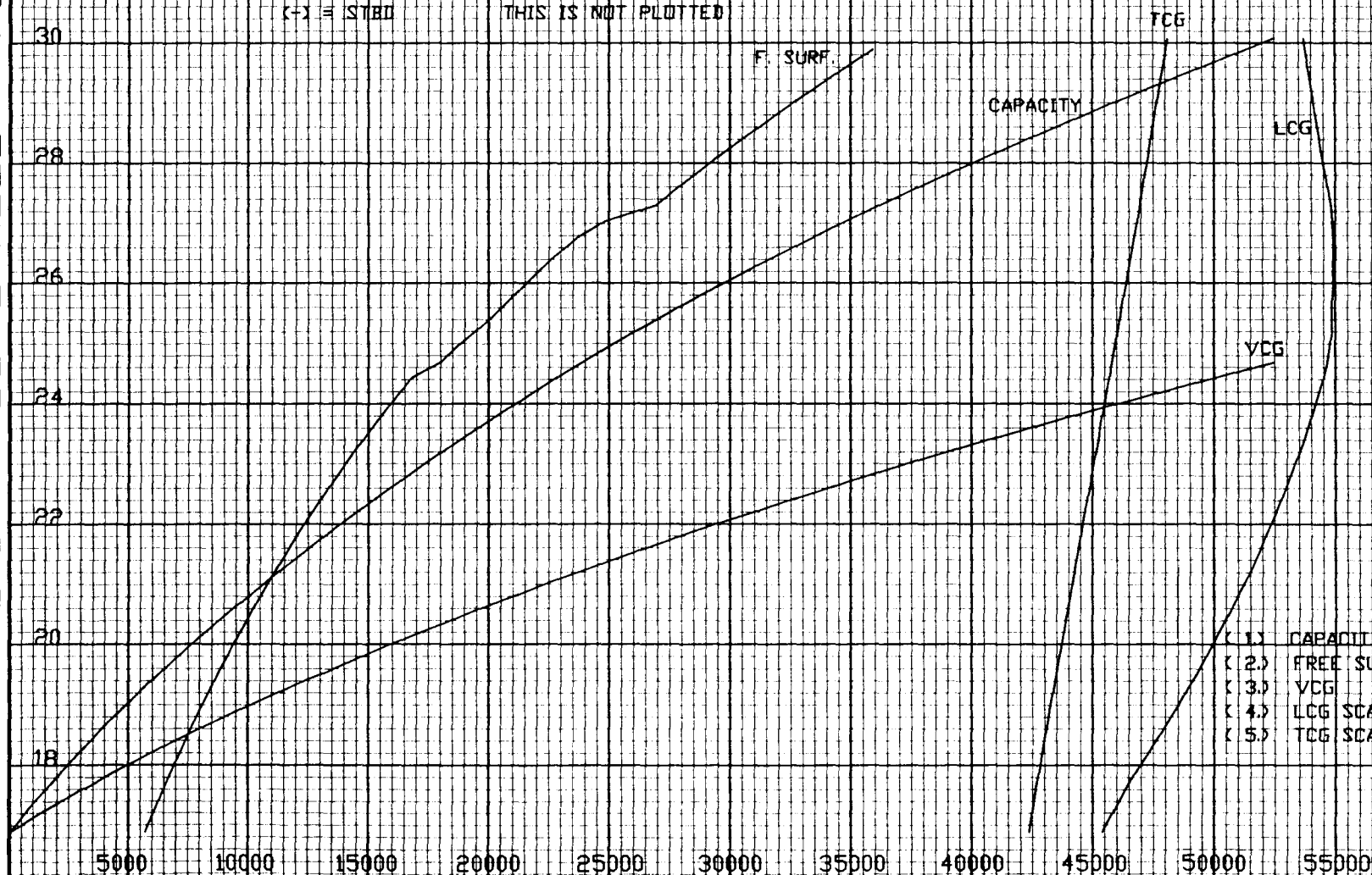
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 16.90 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	52493.	24.68	120.74	19.24	MAXIMUM
					718.4

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT*4
THIS IS NOT PLOTTED



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TANK: NO 1 WING BALLAST TANK S 6-24-1

SCALE IN INCHES

FRAMES 24-33

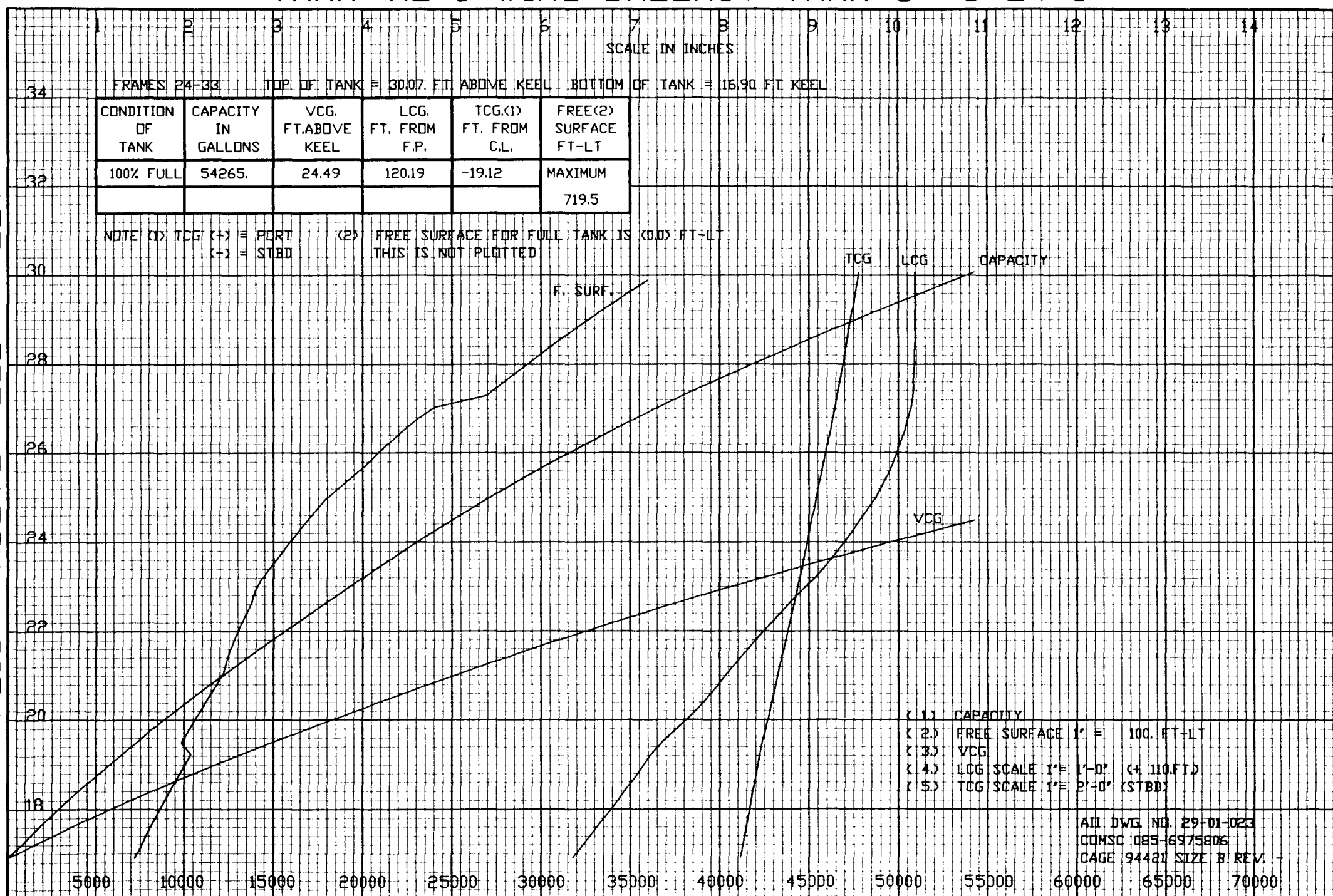
TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 16.90 FT KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	54265.	24.49	120.19	-19.12	MAXIMUM
					719.5

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1' = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1' = 1'-0" (+ 110. FT)
- (5) TCG SCALE 1' = 2'-0" (STBD)

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TANK: NO 2A WING BALLAST TANK P 7-33-2

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 33-38

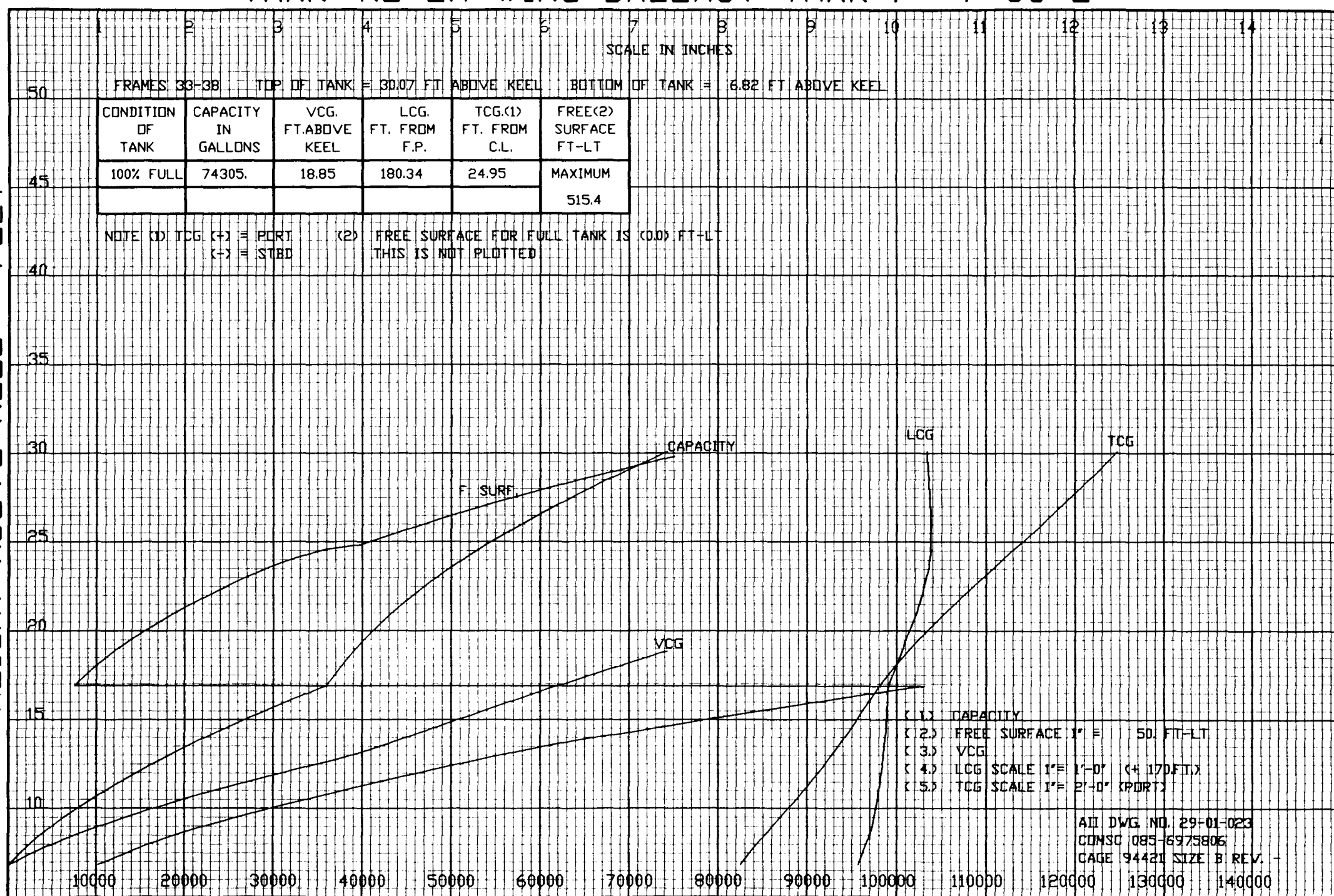
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 6.82 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	74305.	18.85	180.34	24.95	MAXIMUM
					515.4

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 170 FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

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TANK: NO 2A WING BALLAST TANK S 7-33-1

SCALE IN INCHES

FRAMES 33-38

TOP OF TANK = 30.07 FT ABOVE KEEL

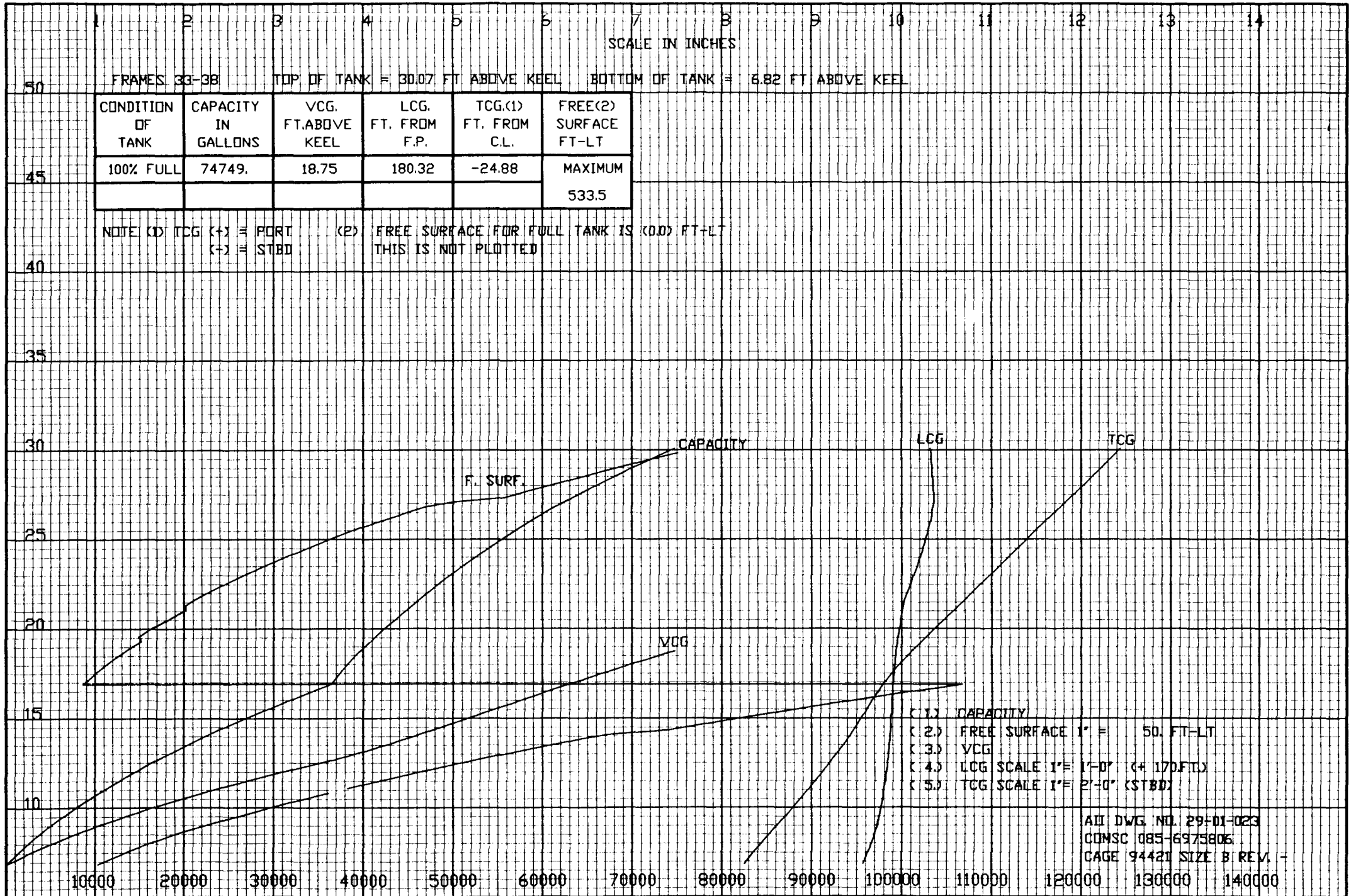
BOTTOM OF TANK = 6.82 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	74749.	18.75	180.32	-24.88	MAXIMUM
					533.5

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 170 FT)
- (5) TCG SCALE 1" = 2'-0" (STBD)

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TANK: NO 2B WING BALLAST TANK P OR S 8-38-4/3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 38-44

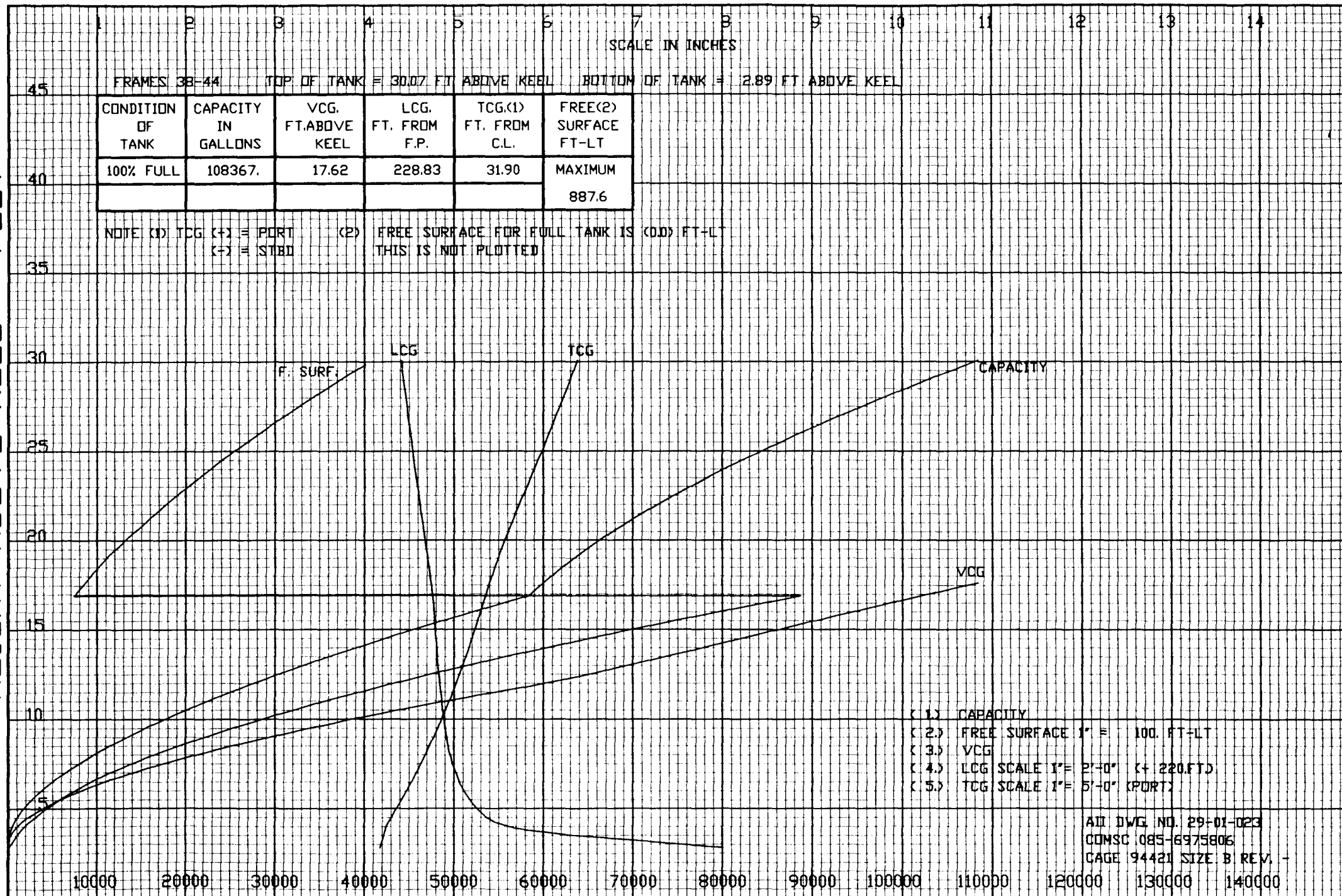
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 2.89 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	108367.	17.62	228.83	31.90	MAXIMUM
					887.6

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 220.FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: NO 2C WING BALLAST TANK P 8-44-4

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 44-50

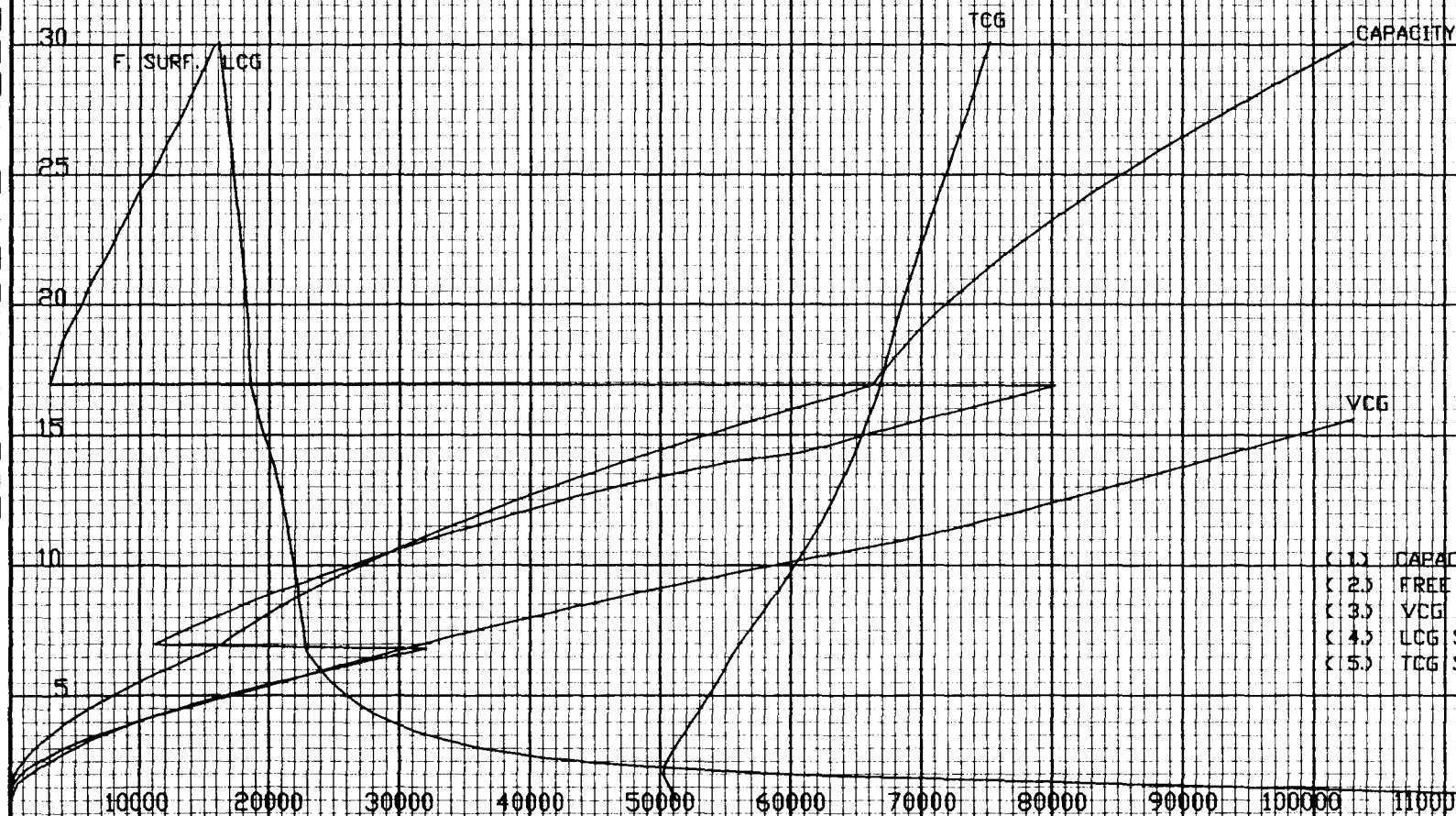
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.97 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	103007.	15.61	283.22	37.61	MAXIMUM
					802.7

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 280. FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: NO 2C WING BALLAST TANK S 8-44-3

SCALE IN INCHES

FRAMES 44-50

TOP OF TANK = 30.07 FT ABOVE KEEL

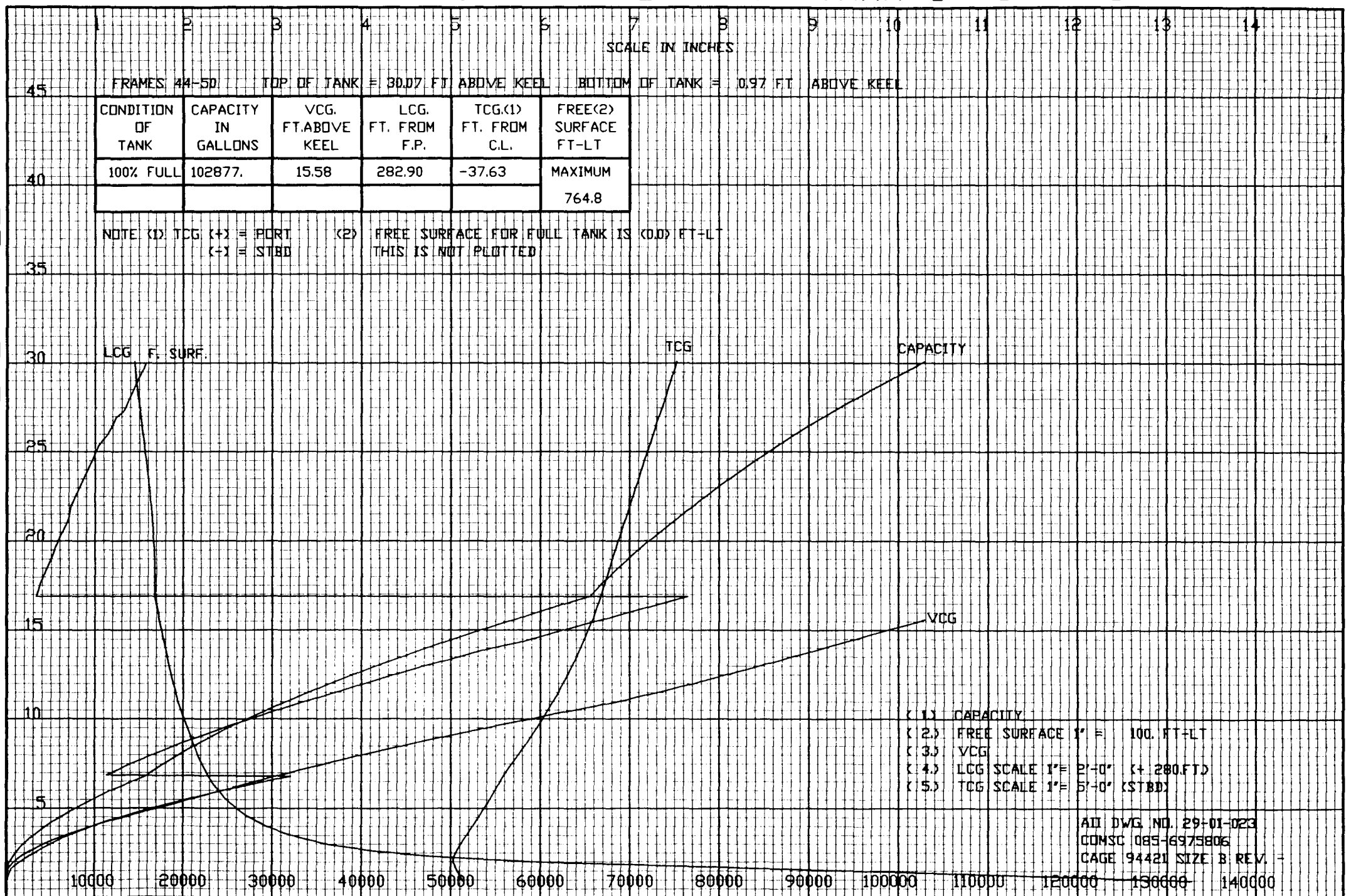
BOTTOM OF TANK = 0.97 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	102877.	15.58	282.90	-37.63	MAXIMUM
					764.8

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 280. FT)
- (5) TCG SCALE 1" = 5'-0" (STBD)

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TANK: NO 3A WING BALLAST TANK P 8-50-4

SCALE IN INCHES

FRAMES 50-57

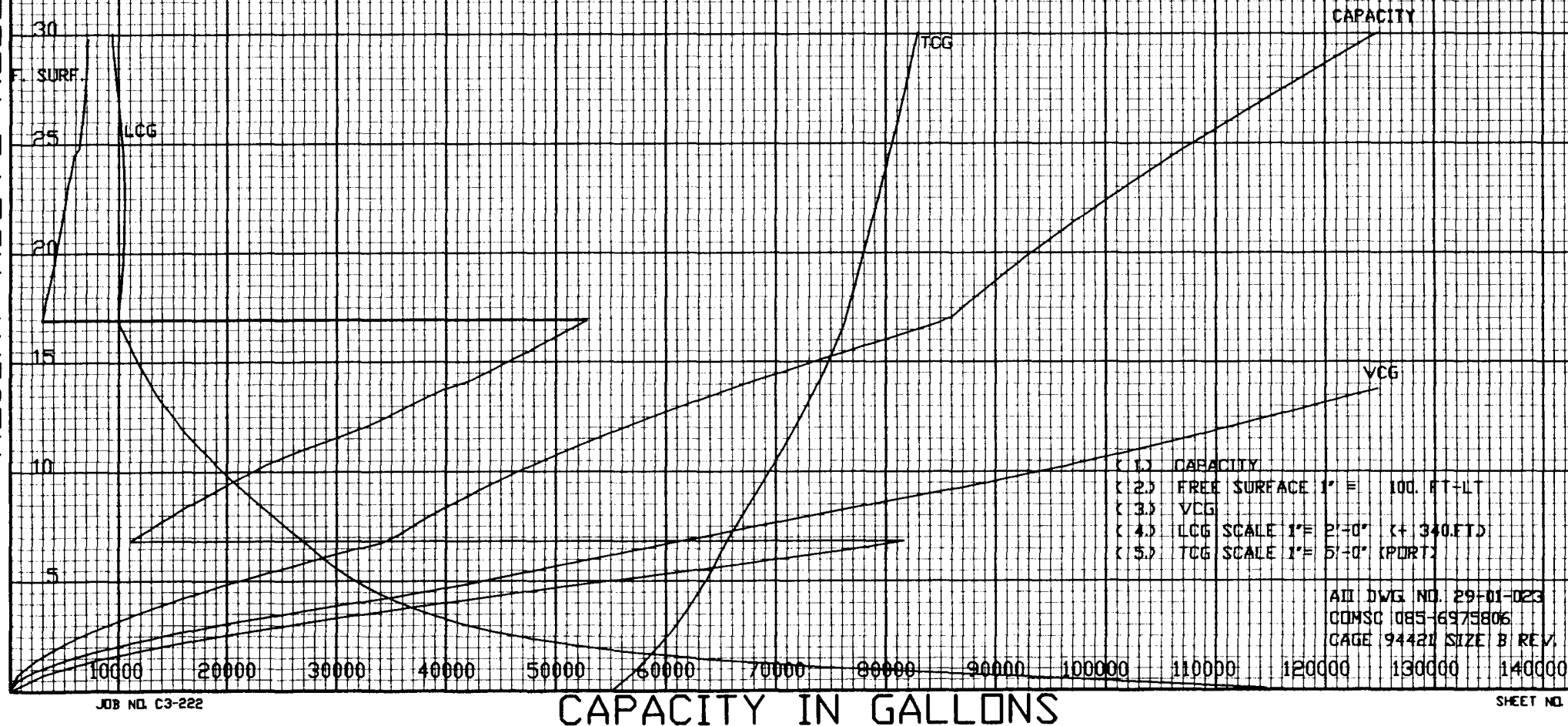
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	124786.	13.78	341.87	41.46	MAXIMUM
					816.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



TANK: NO 3A WING BALLAST TANK S 8-50-3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 50-57

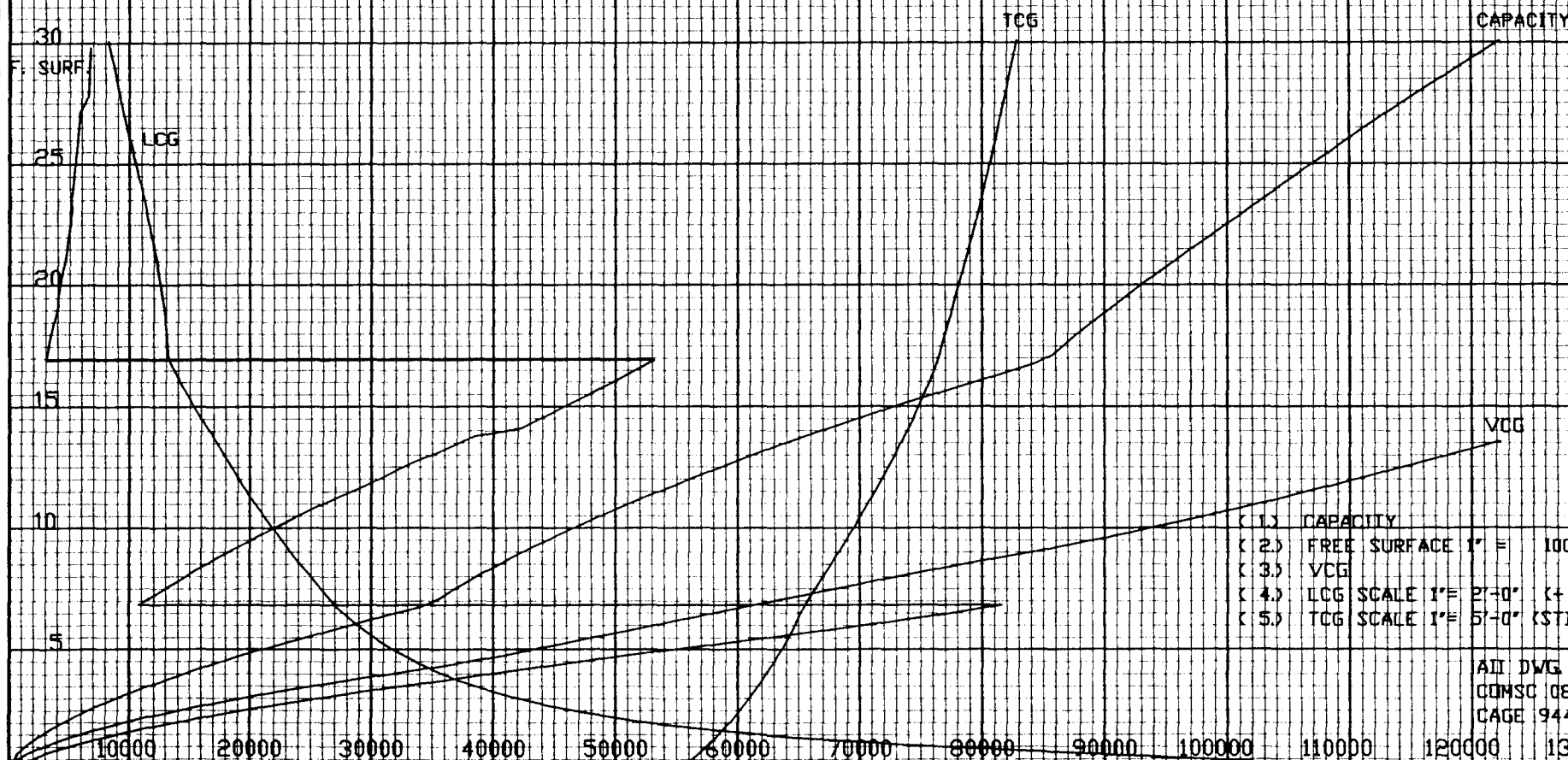
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	122339.	13.57	341.65	-41.41	MAXIMUM
					816.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 340. FT)
- (5) TCG SCALE 1" = 5'-0" (STBD)

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TANK: NO 3B WING BALLAST TANK P 8-57-2

SCALE IN INCHES

FRAMES 57-64

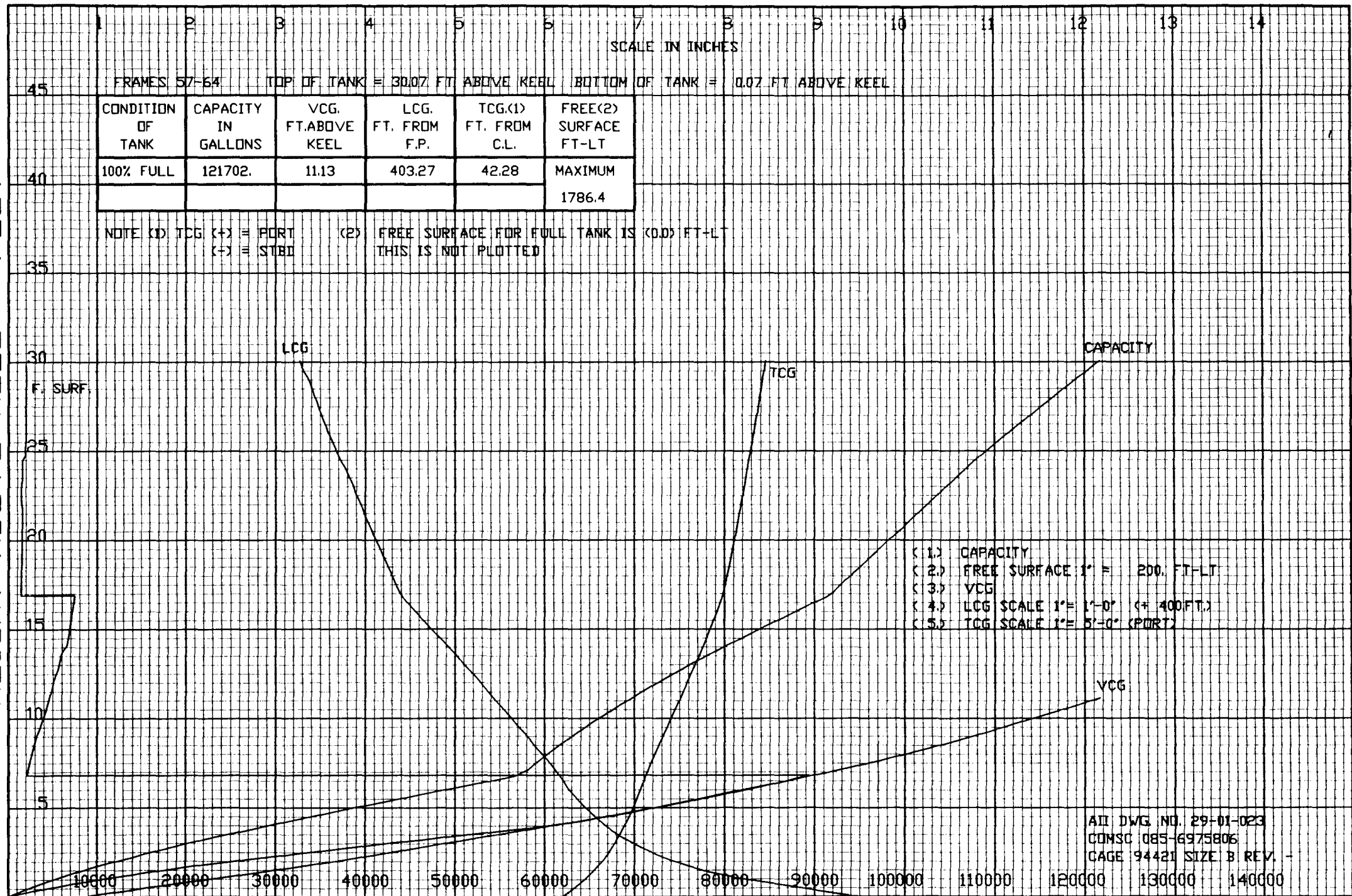
TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	121702.	11.13	403.27	42.28	MAXIMUM
					1786.4

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



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TANK: NO 3B WING BALLAST TANK S 8-57-1

SCALE IN INCHES

FRAMES 57-64

TOP OF TANK = 30.07 FT ABOVE KEEL

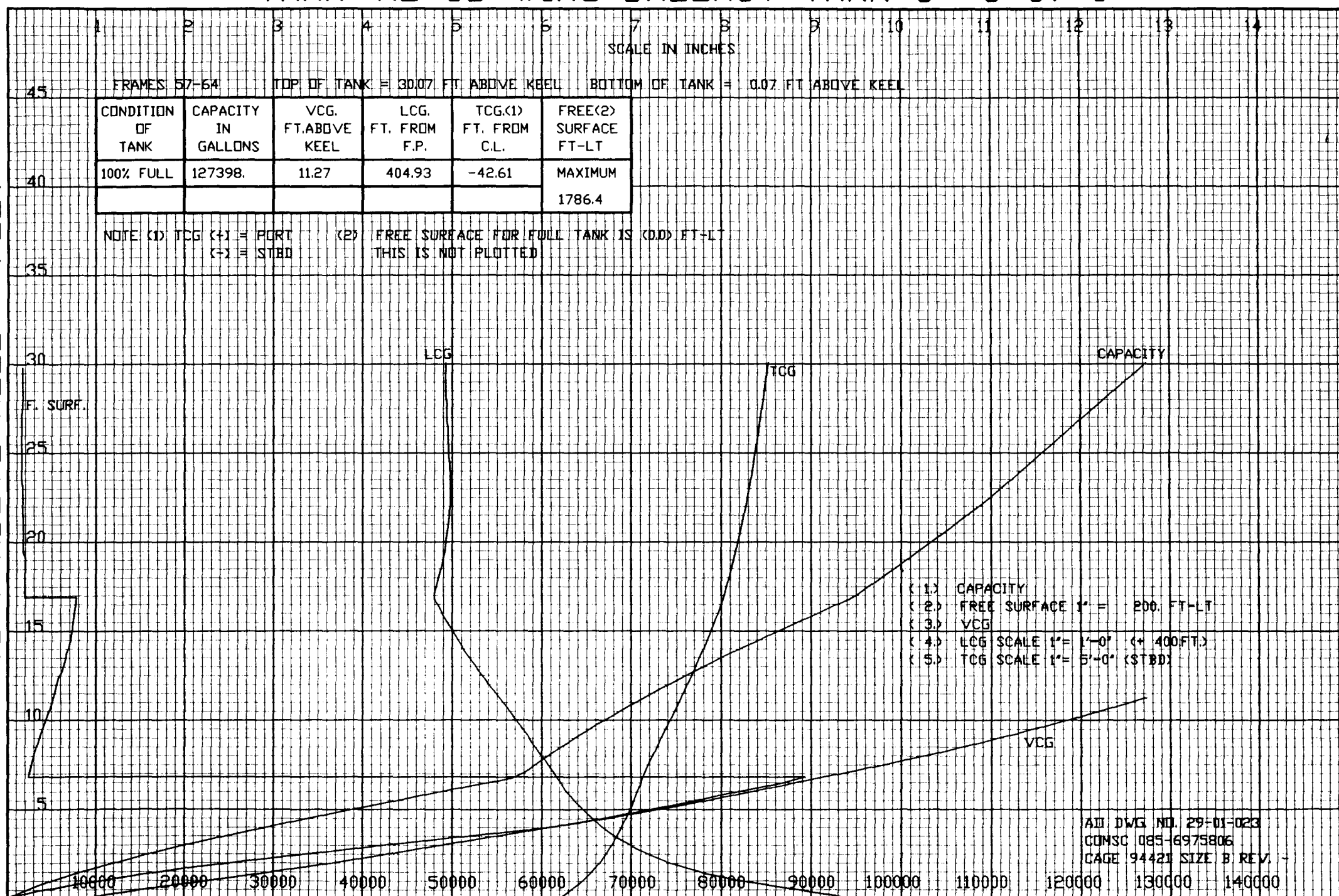
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	127398.	11.27	404.93	-42.61	MAXIMUM
					1786.4

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 400 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

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TANK: NO 3C WING BALLAST TANK P 8-64-4

SCALE IN INCHES

FRAMES 64-71

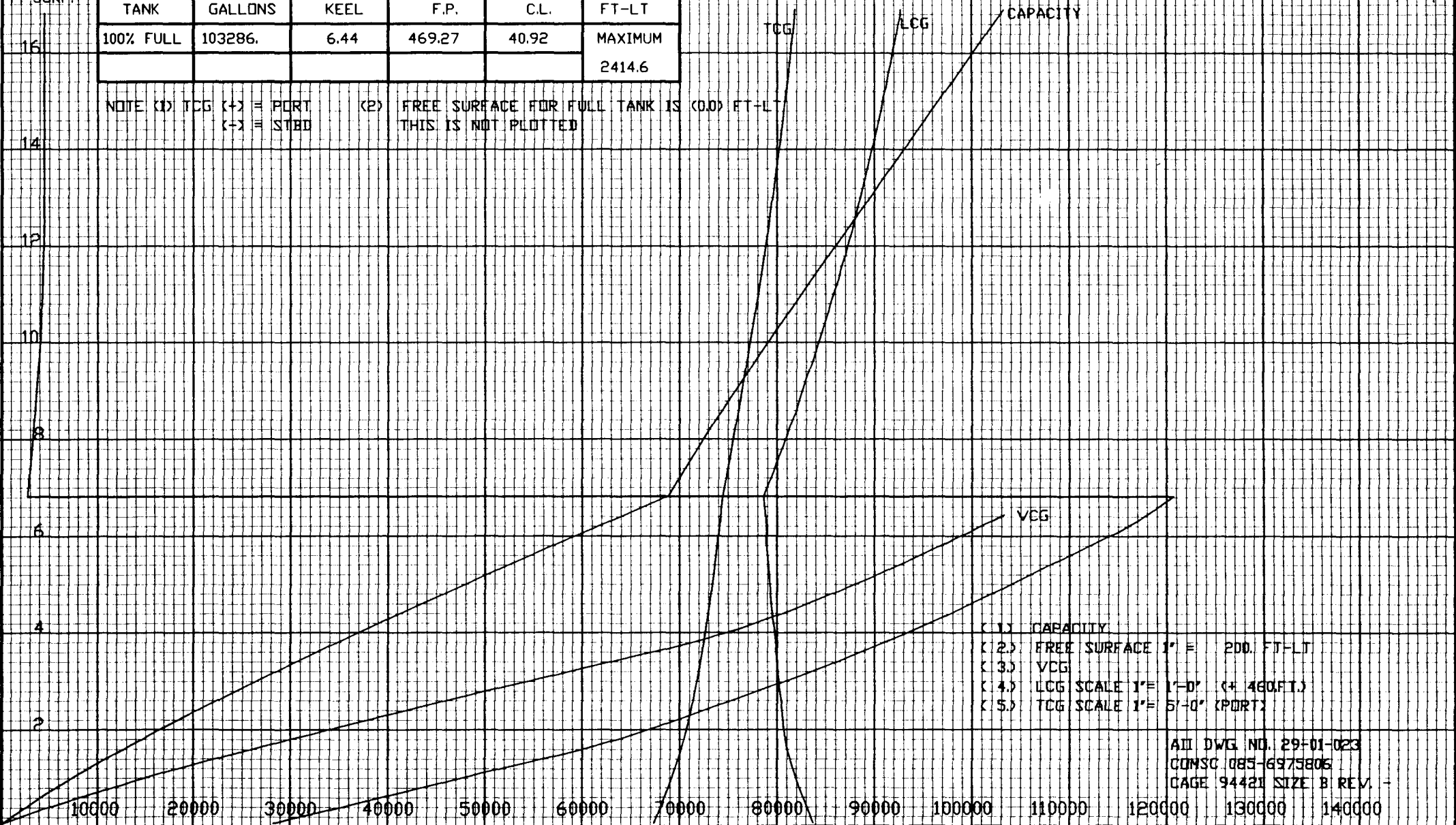
TOP OF TANK = 16.90 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	103286.	6.44	469.27	40.92	MAXIMUM
					2414.6

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 460 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: NO 3C WING BALLAST TANK S 8-64-3

SCALE IN INCHES

FRAMES 64-71

TOP OF TANK = 16.90 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	108876.	6.73	467.80	-41.29	MAXIMUM
					2414.6

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

18

F. SURF.

16

14

12

10

8

6

4

2

LCG

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 460 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

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10000 20000 30000 40000 50000 60000 70000 80000 90000 100000 110000 120000 130000 140000

CAPACITY IN GALLONS

HEIGHT ABOVE KEEL - FEET

TANK: NO 4A WING BALLAST TANK P 8-71-4

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 71-78

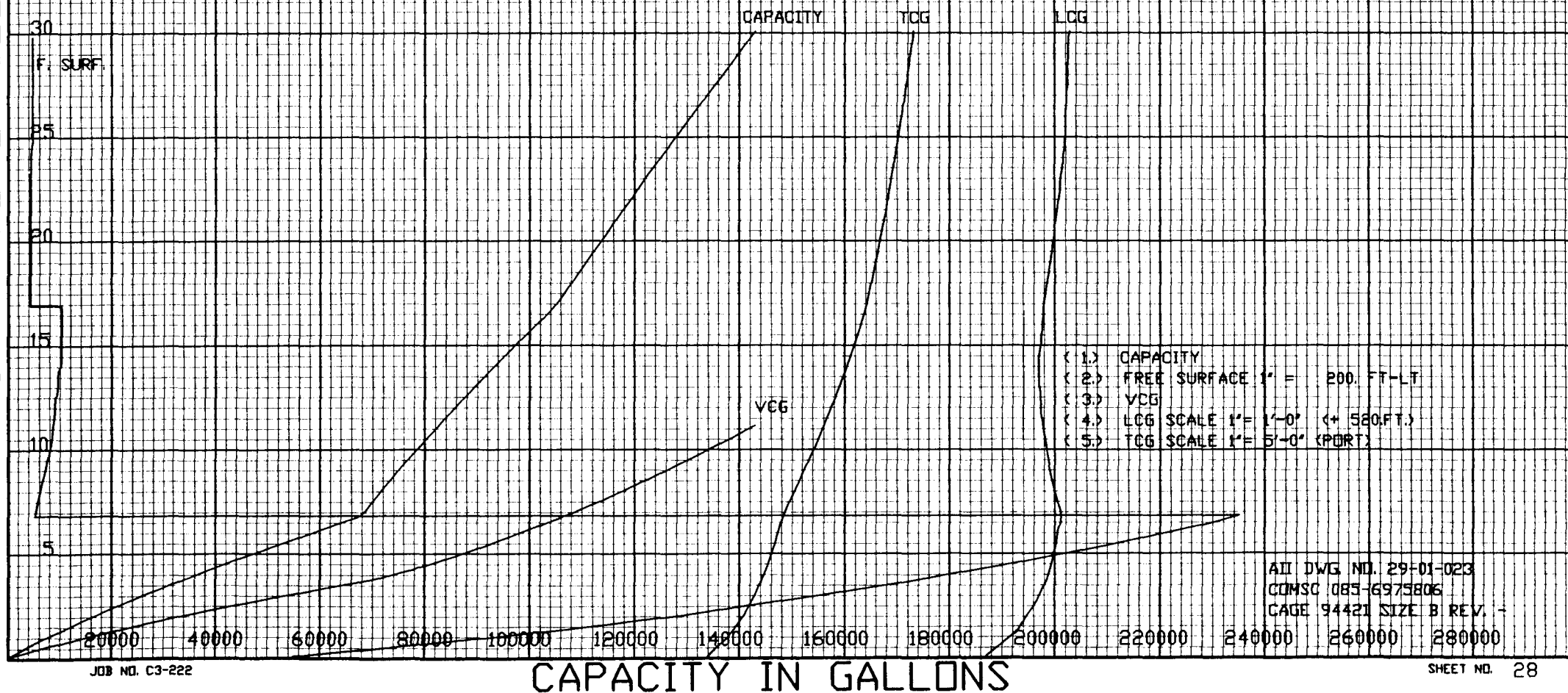
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	143013.	11.15	530.14	43.28	MAXIMUM
					2350.3

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



TANK: NO 4A WING BALLAST TANK S 8-71-3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 71-78

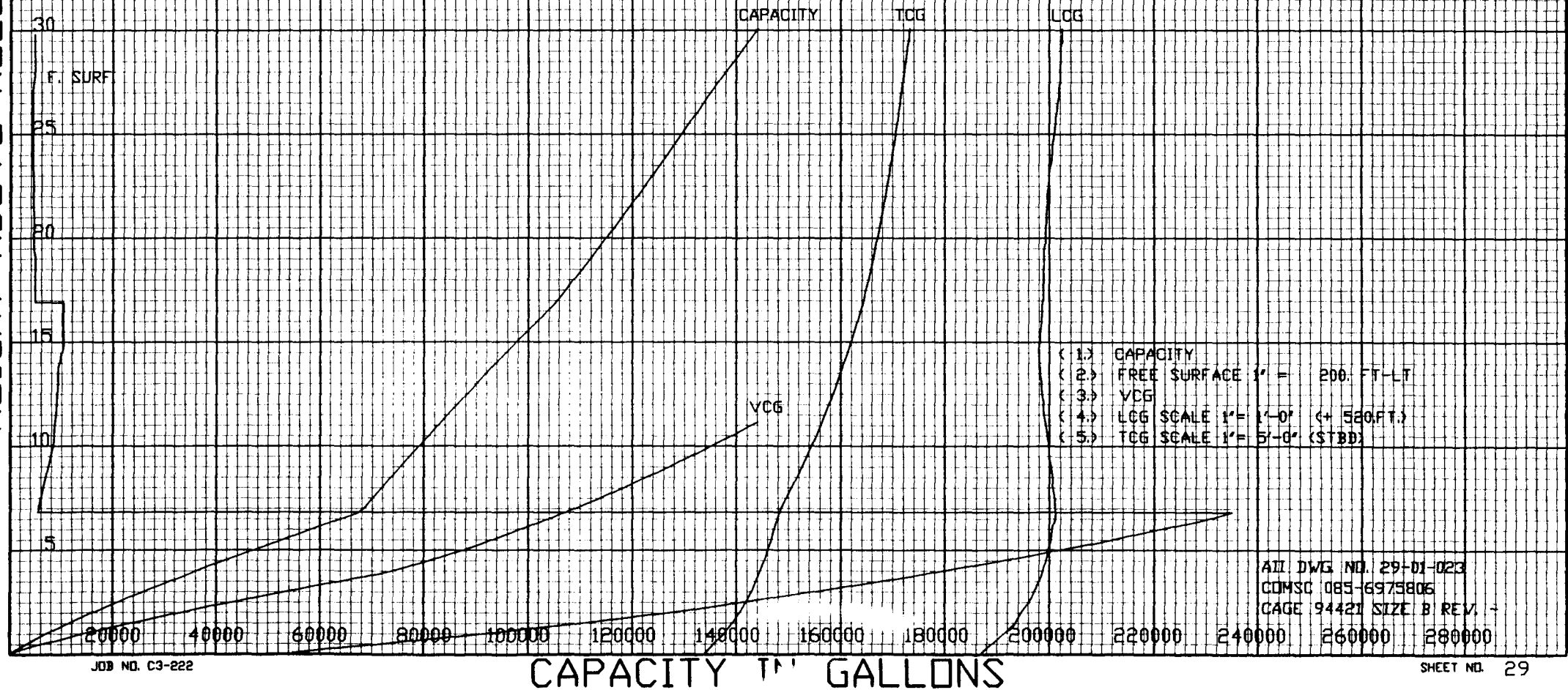
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	144204.	11.15	530.12	-43.33	MAXIMUM
					2350.3

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



TANK: NO 4B WING BALLAST TANK P 8-78-4

SCALE IN INCHES

FRAMES 78-85

TOP OF TANK = 30.07 FT ABOVE KEEL

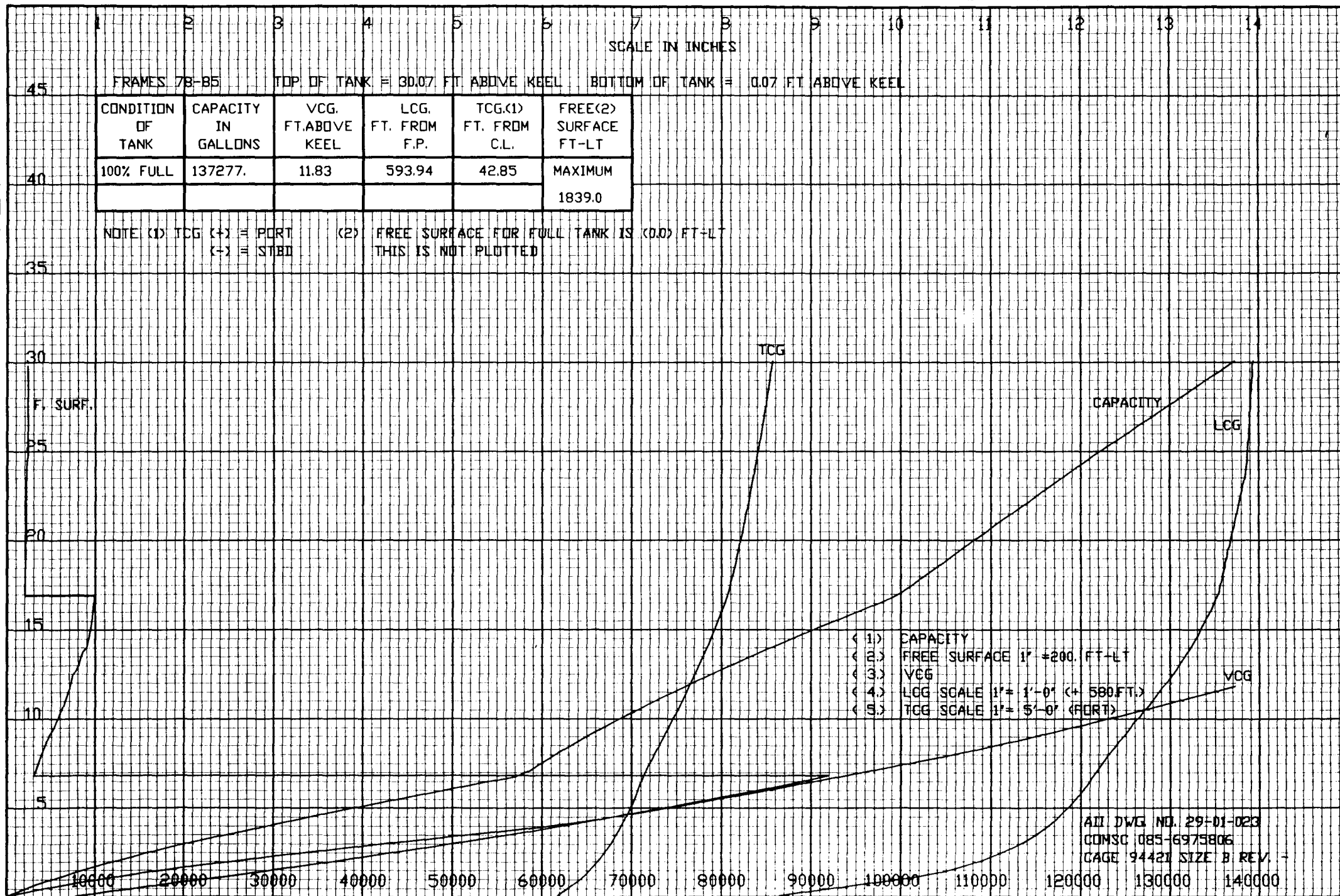
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	137277.	11.83	593.94	42.85	MAXIMUM
					1839.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



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TANK: NO 4B WING BALLAST TANK S 8-78-3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 78-85

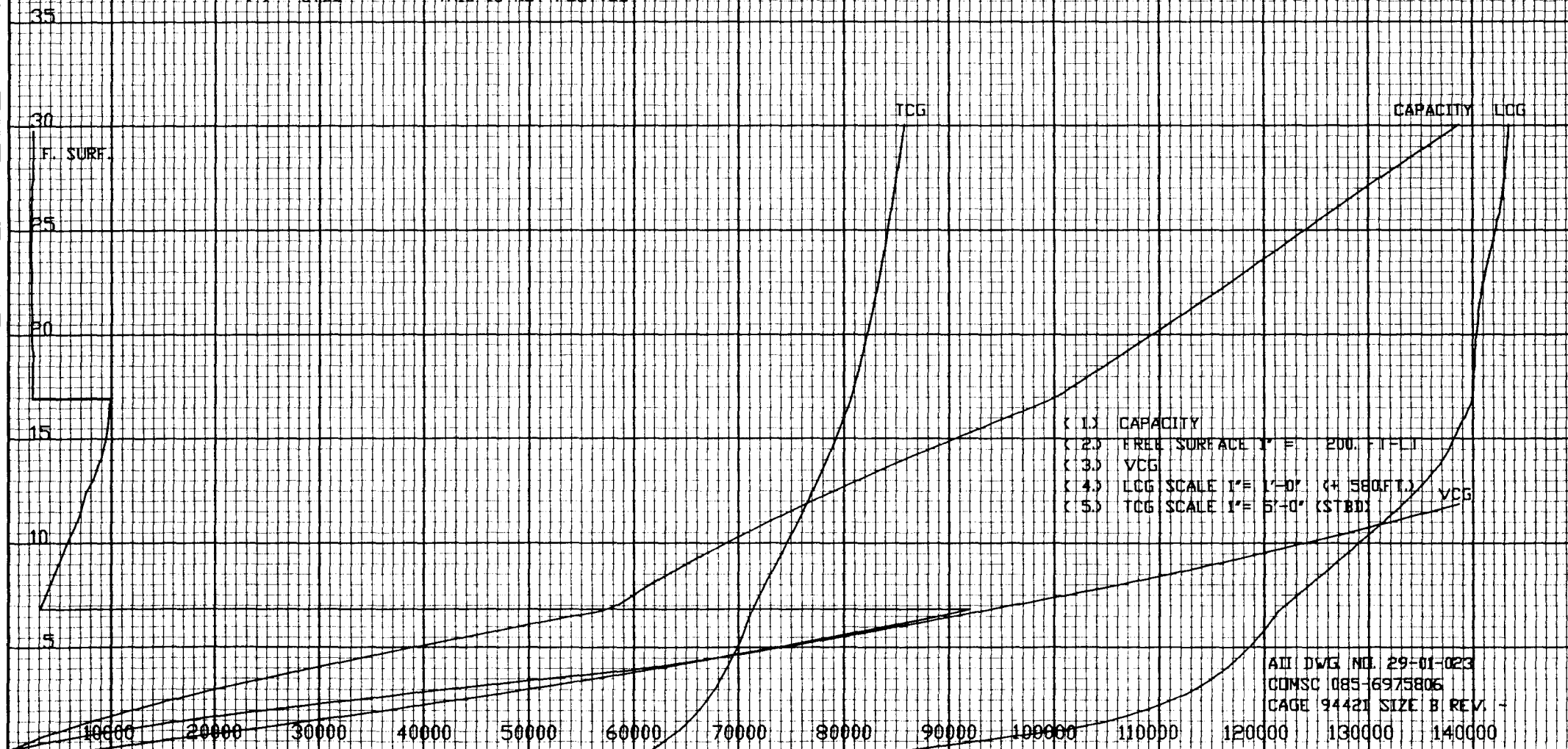
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	138709.	11.87	594.35	-42.90	MAXIMUM
					1839.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



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TANK: NO 6A WING BALLAST TANK P OR S 8-99-4/3

SCALE IN INCHES

FRAMES 99-103

TOP OF TANK = 31.57 FT ABOVE KEEL

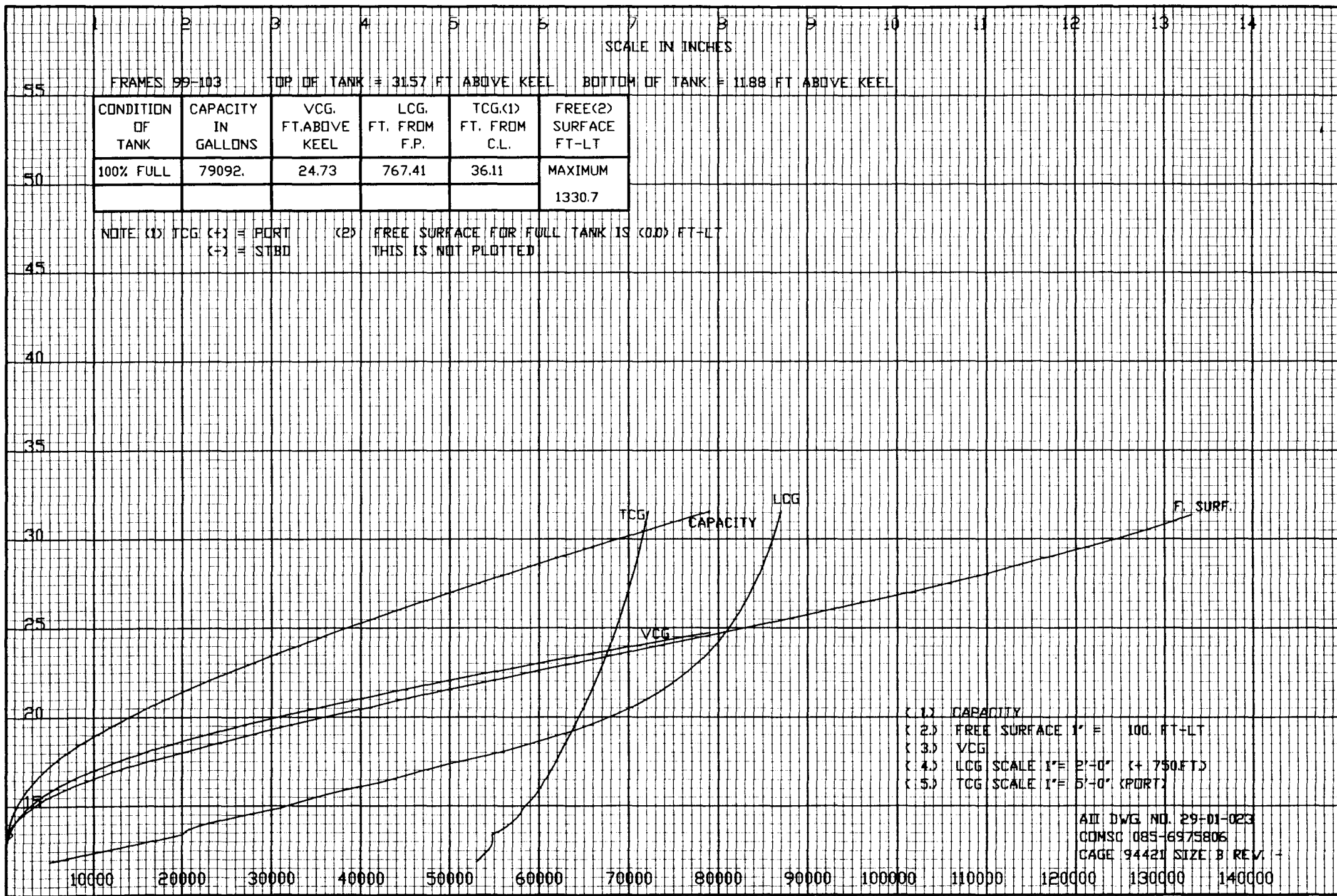
BOTTOM OF TANK = 11.88 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	79092.	24.73	767.41	36.11	MAXIMUM
					1330.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 750 FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: NO 6B WING BALLAST TANK P OR S 8-103-4/3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 103-106

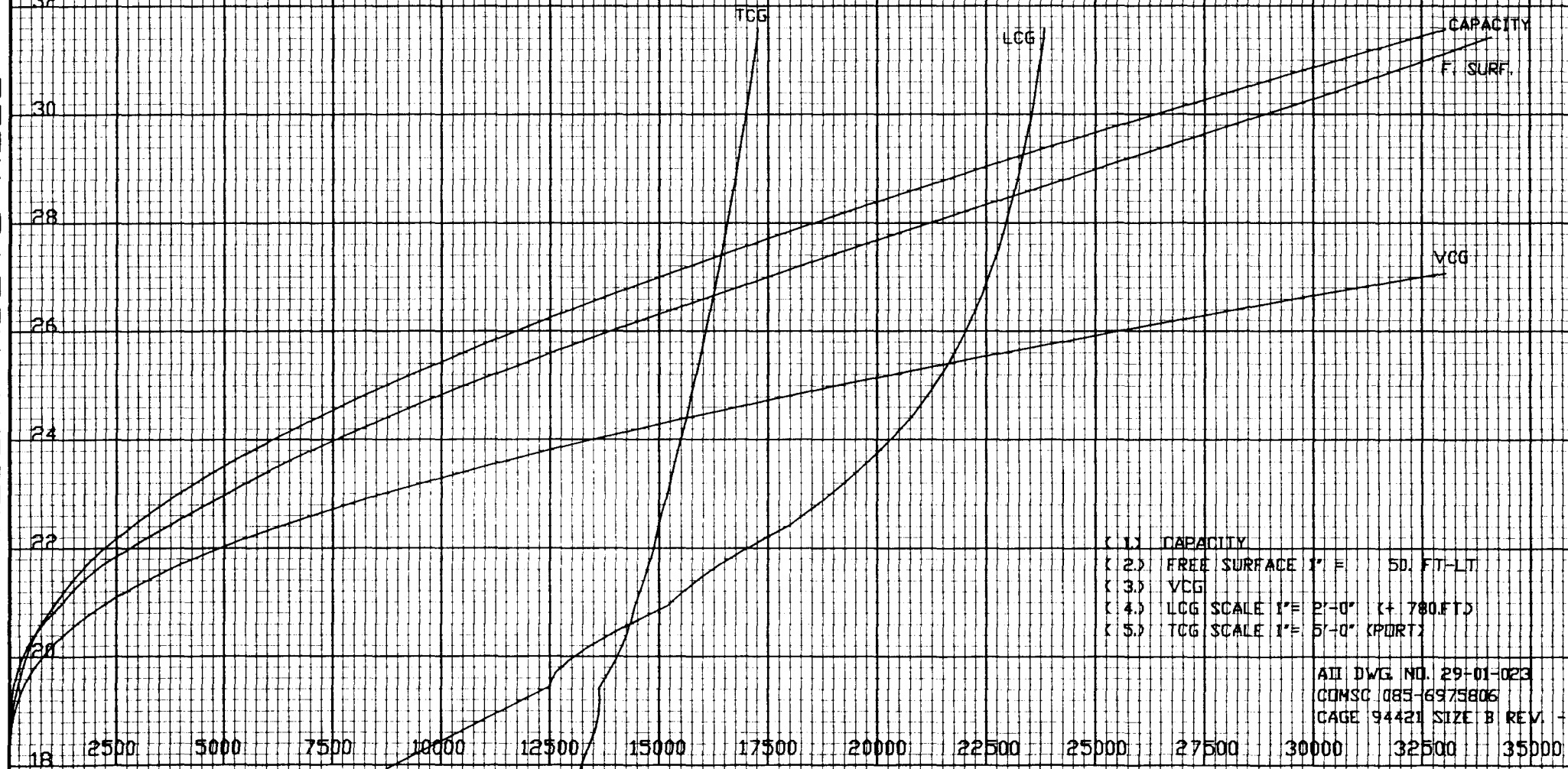
TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 17.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG, (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	33054.	27.07	799.08	34.53	MAXIMUM
					682.5

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 780. FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: NO 6D SW BALLAST TANK P OR S 8-109-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 109-113

TOP OF TANK = 35.57 FT ABOVE KEEL

BOTTOM OF TANK = 24.14 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	36960.	30.62	857.13	12.12	MAXIMUM
					1714.8

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 840. FT)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG NO. 29-01-023
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PAGE 94421 SIZE B REV. -

TANK: AFT PEAK BALLAST TANK P OR S 8-113-2/1

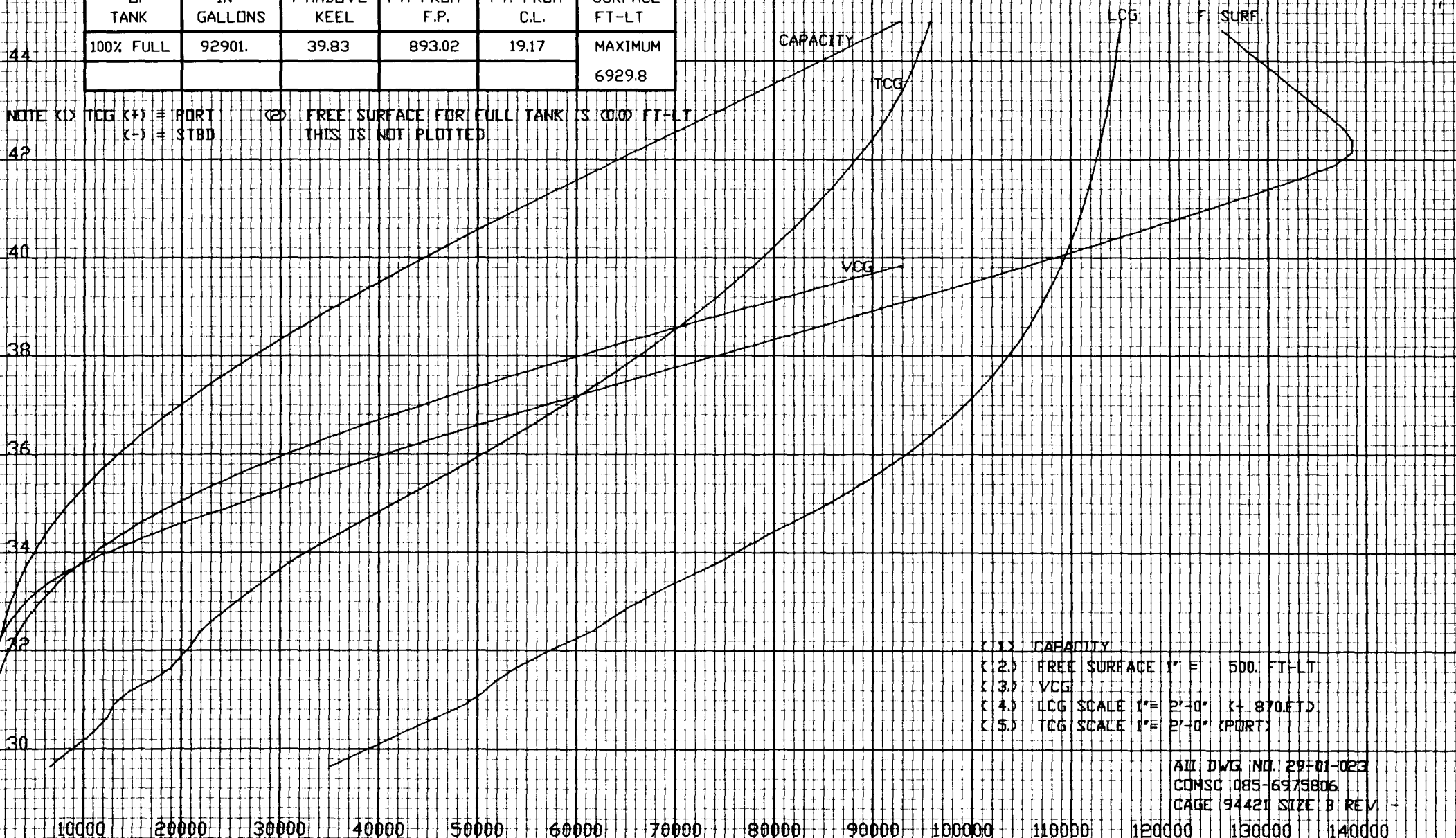
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 113-TRANSOM TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 29.64 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	92901.	39.83	893.02	19.17	MAXIMUM
					6929.8

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS 000 FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 500. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 870. FT)
- (5) TCG SCALE 1" = 2'-0" (PORT)

AII DWG NO. 29-01-023
COMSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: LIST CONTROL TANK P OR S 6-64-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 64-71

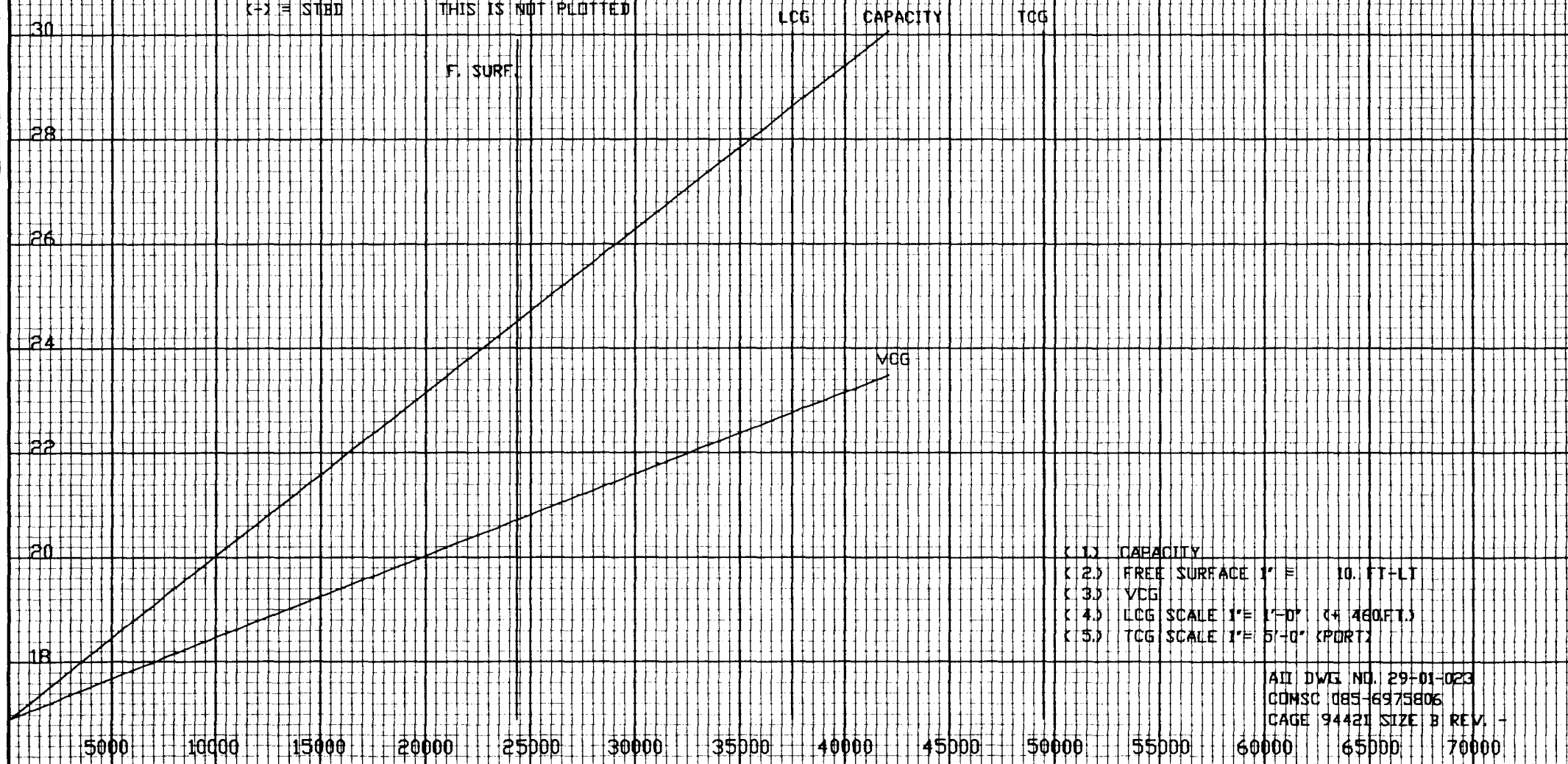
TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 16.90 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	42076.	23.48	467.50	49.46	MAXIMUM
					48.7

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (4,480 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG NO. 29-01-023
COMSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: POTABLE WATER TANK NO 1 5-95-7

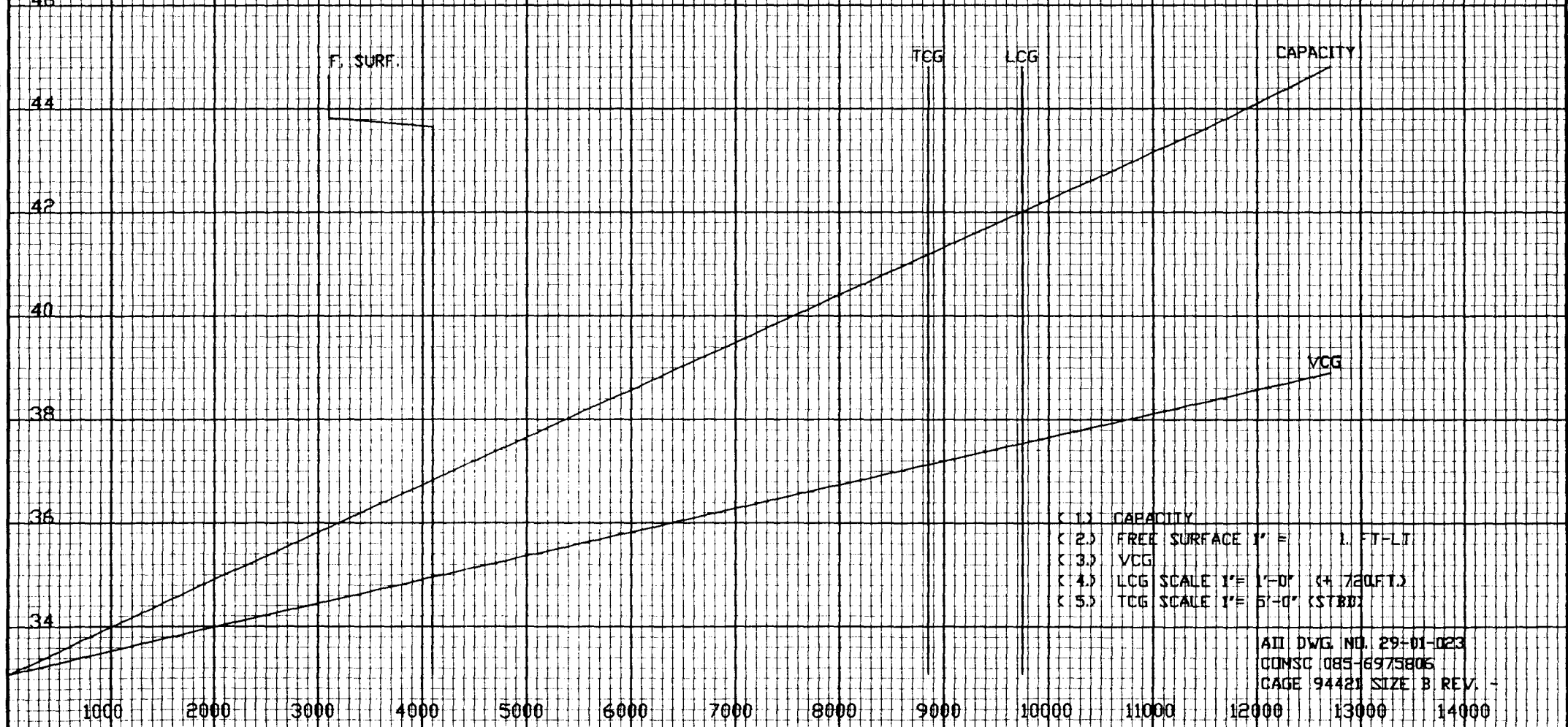
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 94-99 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	12706.	38.90	729.75	-44.26	MAXIMUM
					4.1

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 720 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-023
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PAGE 94421 SIZE B REV. -

TANK: POTABLE WATER TANK NO 2 5-95-9

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 94-99

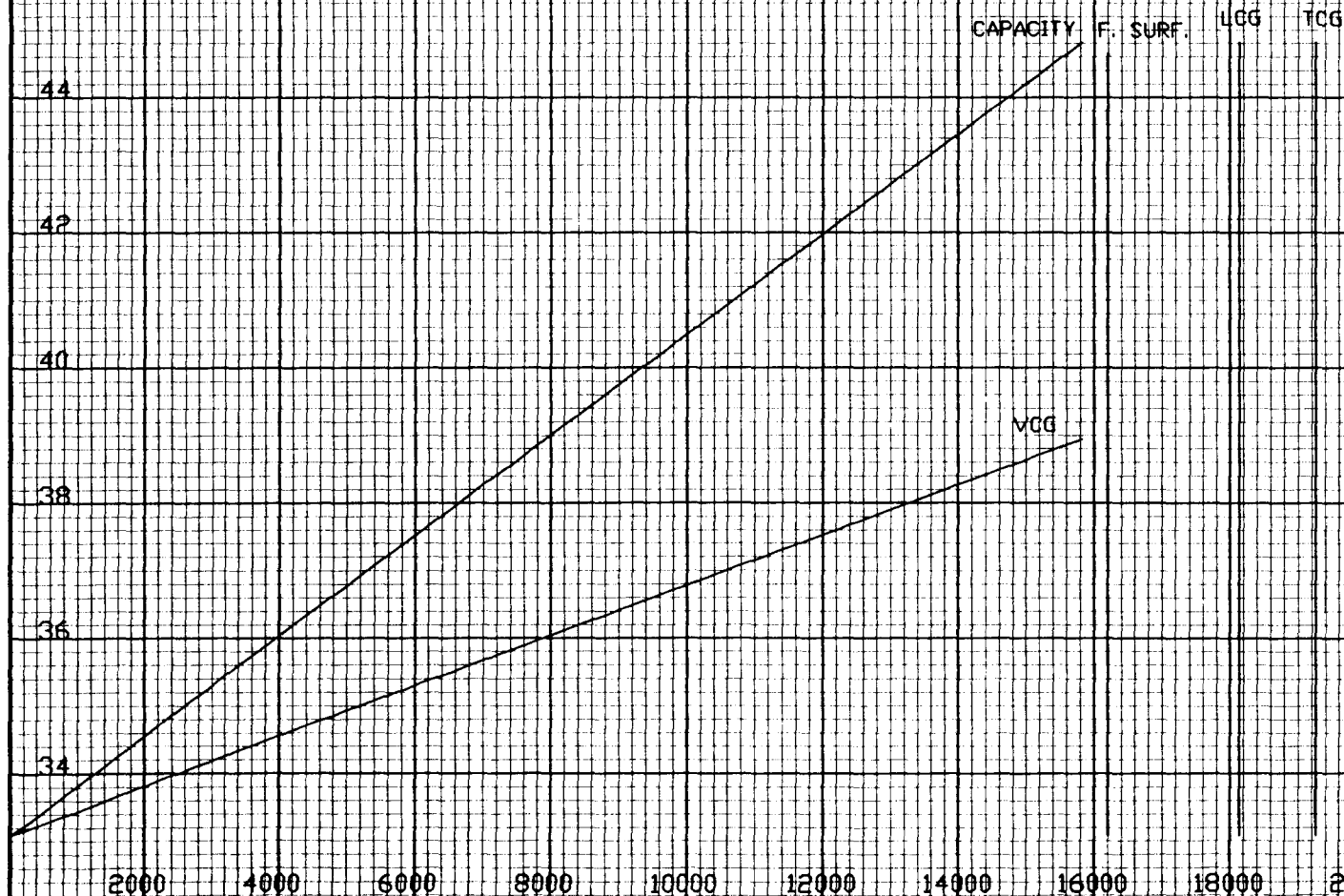
TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	15827.	38.94	729.07	-48.17	MAXIMUM
					8.1

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 720 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: DIST WATER TANK 4.5-91-1

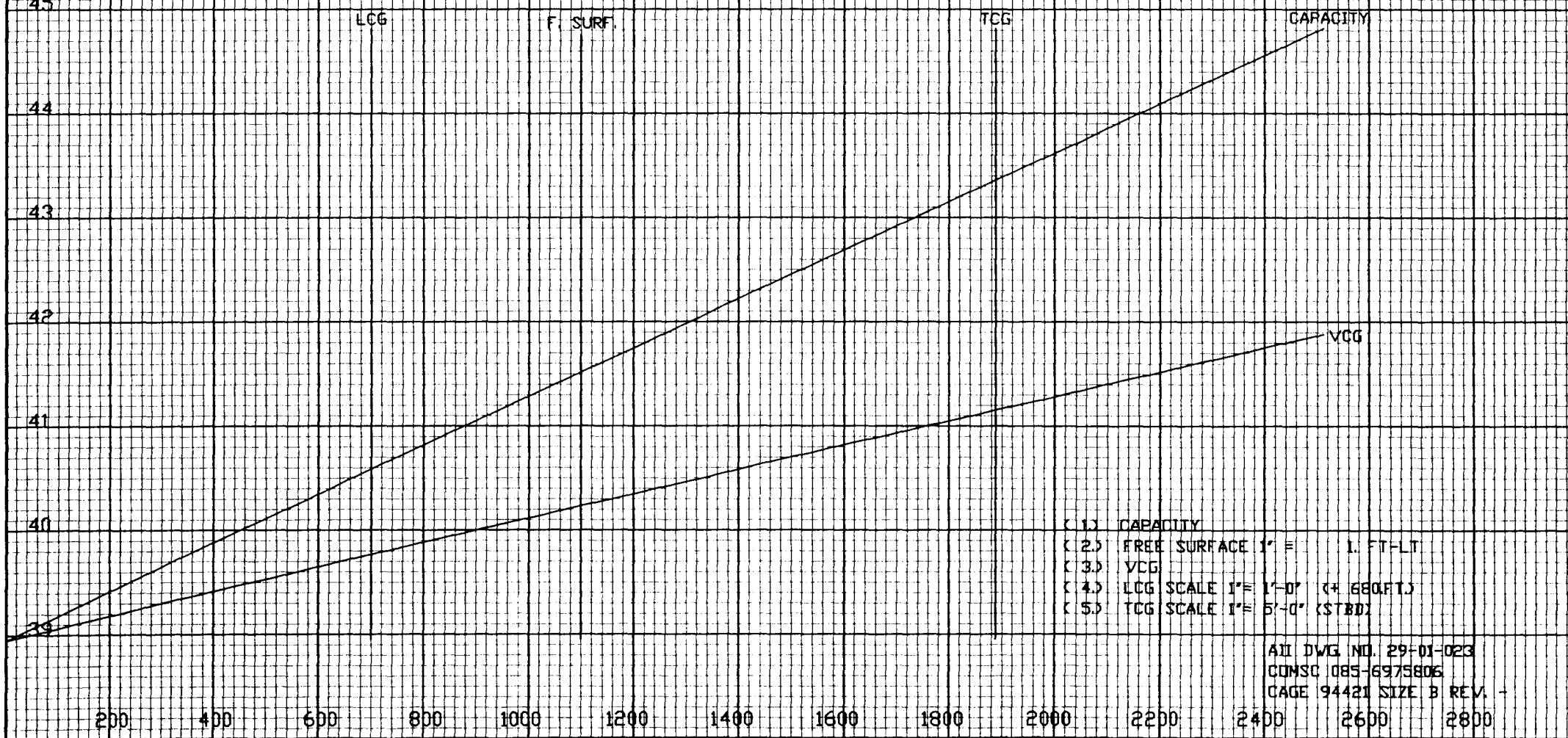
SCALE IN INCHES

FRAMES 91-92 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 38.95 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2513.	41.88	683.50	-47.21	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



ALL DWG NO. 29-01-023
CONSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: RESV FEED WATER TANK 5-91-1

SCALE IN INCHES

FRAMES 91-92

TOP OF TANK = 38.95 FT ABOVE KEEL

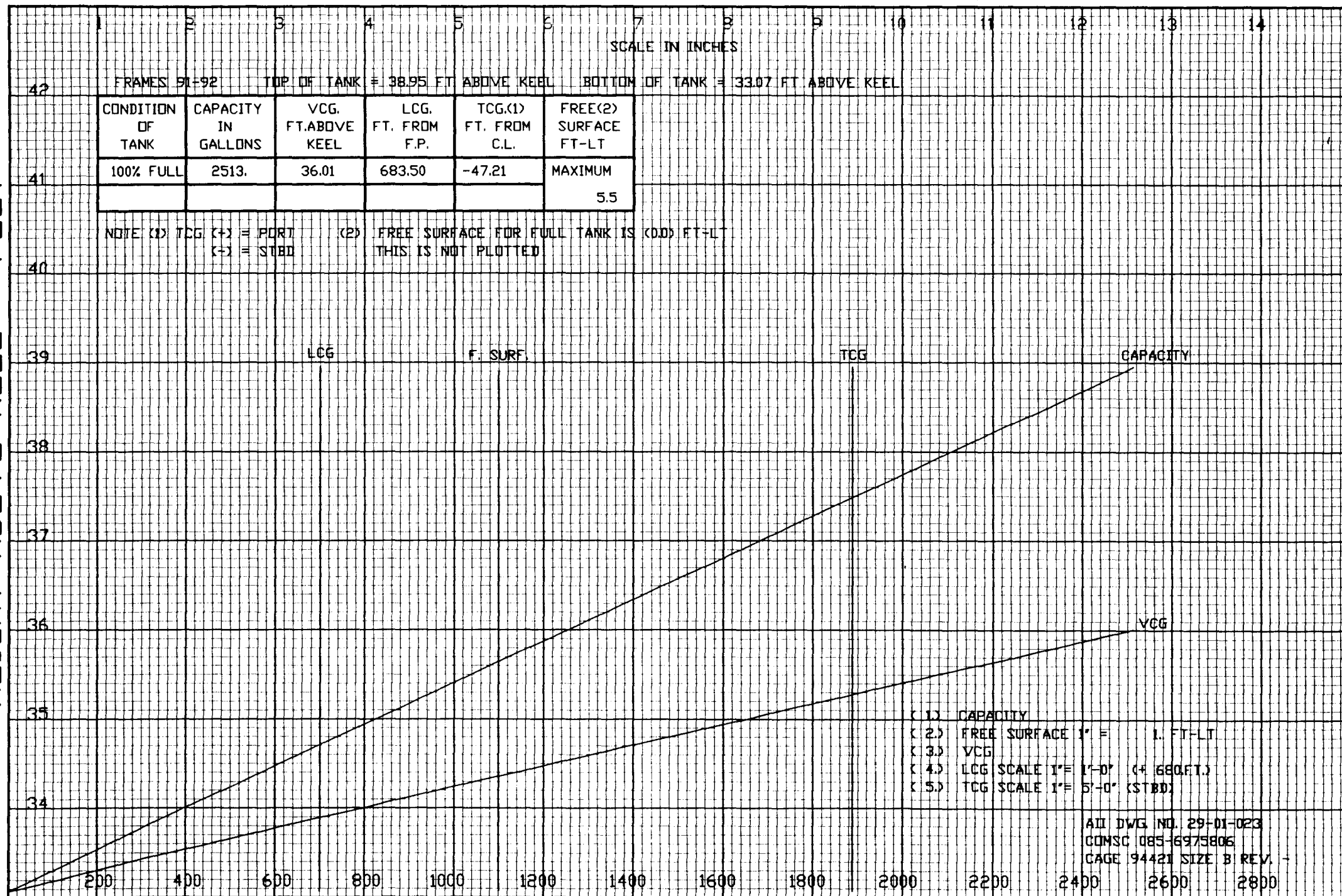
BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2513.	36.01	683.50	-47.21	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-023
CONSC 085-6975806
CAGE 94421 SIZE B REV. -

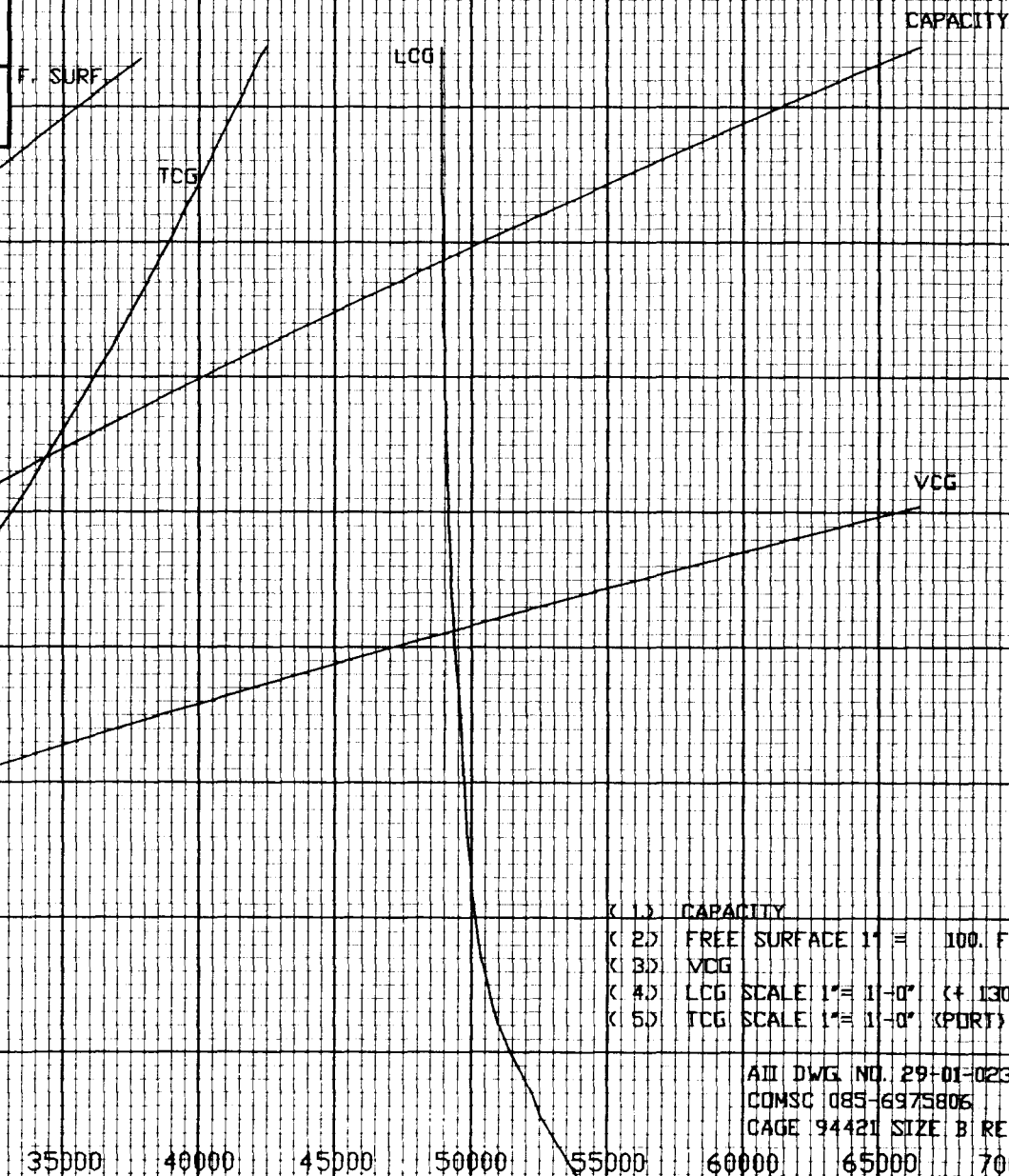
TANK: FUEL OIL TANK NO 1B P OR S 8-29-2/1

SCALE IN INCHES

FRAMES 29-33 TOP OF TANK = 16.90 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	66501.	10.09	139.78	8.49	MAXIMUM
98% FULL	65173.	9.95	139.78	8.43	757.3

NOTE (1) TCG (+) = PORT (-) = STBD
(2) FREE SURFACE FOR FULL TANK IS 0.01 FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 130 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ADD DWG NO. 29-01-023
COMSC 085-6975805
CAGE 94421 SIZE B REV. -

TANK: FUEL OIL TANK NO 2A P OR S 8-33-2/1

SCALE IN INCHES

FRAMES 33-38

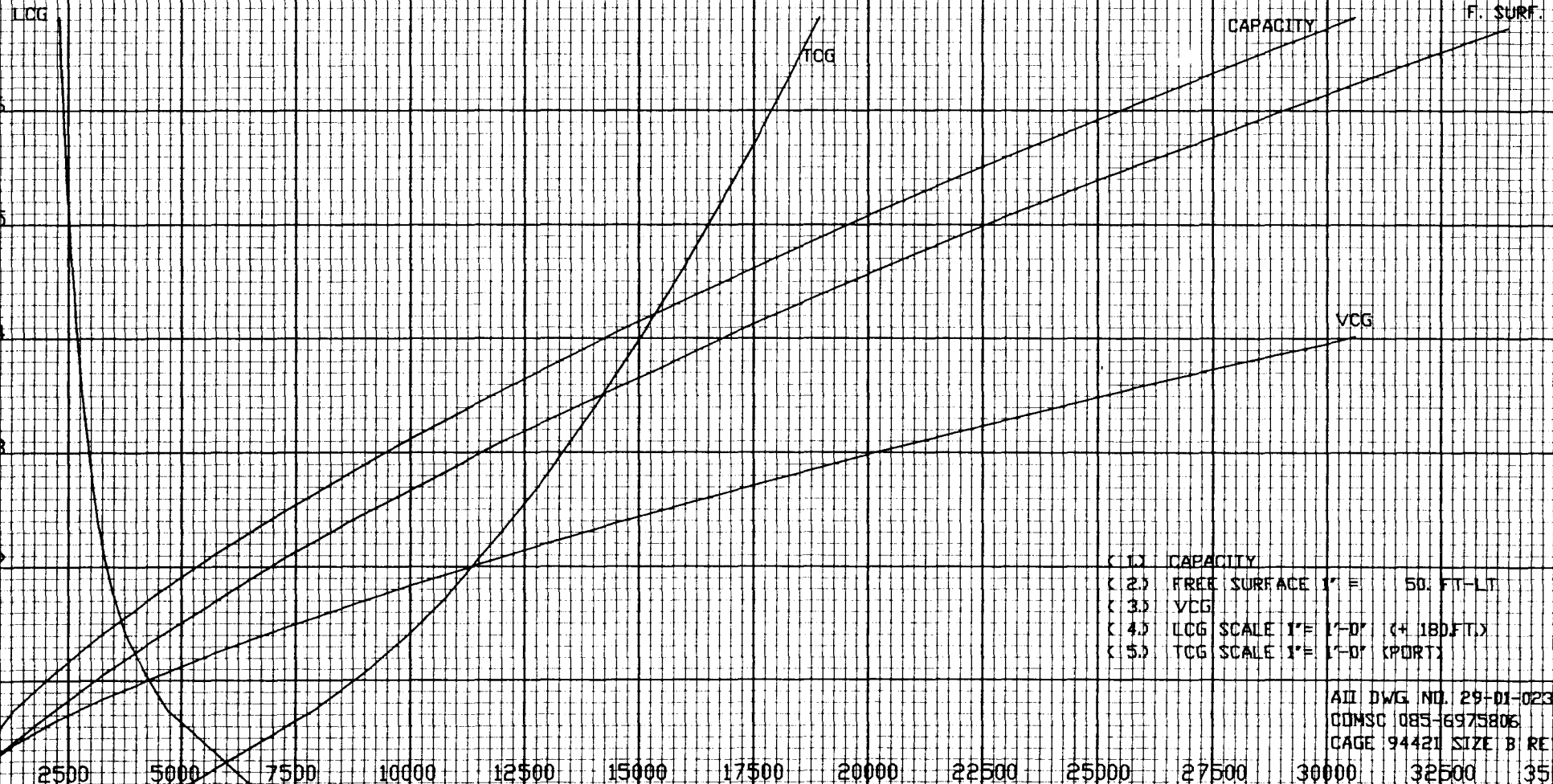
TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	30620.	4.02	180.91	7.57	MAXIMUM
98% FULL	30007.	3.96	180.92	7.52	679.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 180.91 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

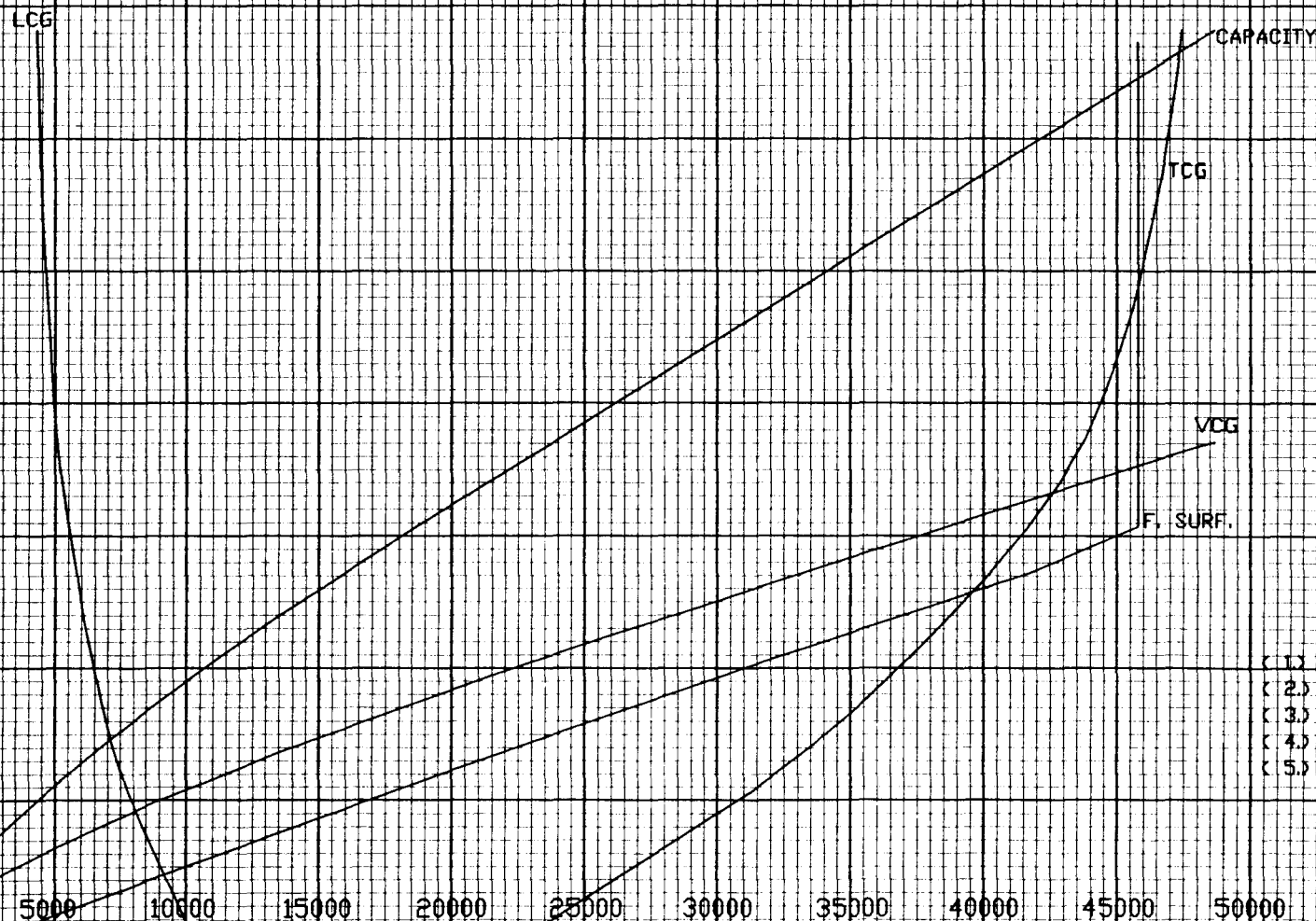
TANK: FUEL OIL TANK NO 2B P OR S 8-38-2/1

SCALE IN INCHES

FRAMES 38-44 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	48679.	3.71	230.86	9.49	MAXIMUM
98% FULL	47705.	3.65	230.86	9.48	915.9

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1.) CAPACITY
- (2.) FREE SURFACE 1" = 100. FT-LT
- (3.) VCG
- (4.) LCG SCALE 1"= 1'-0" (+ 230.86)
- (5.) TCG SCALE 1"= 1'-0" (PORT)

ALL DWG NO. 29-01-023
CONSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: FUEL OIL TANK NO 2C P OR S 8-44-2/1

SCALE IN INCHES

FRAMES 44-50

TOP OF TANK = 6.82 FT ABOVE KEEL

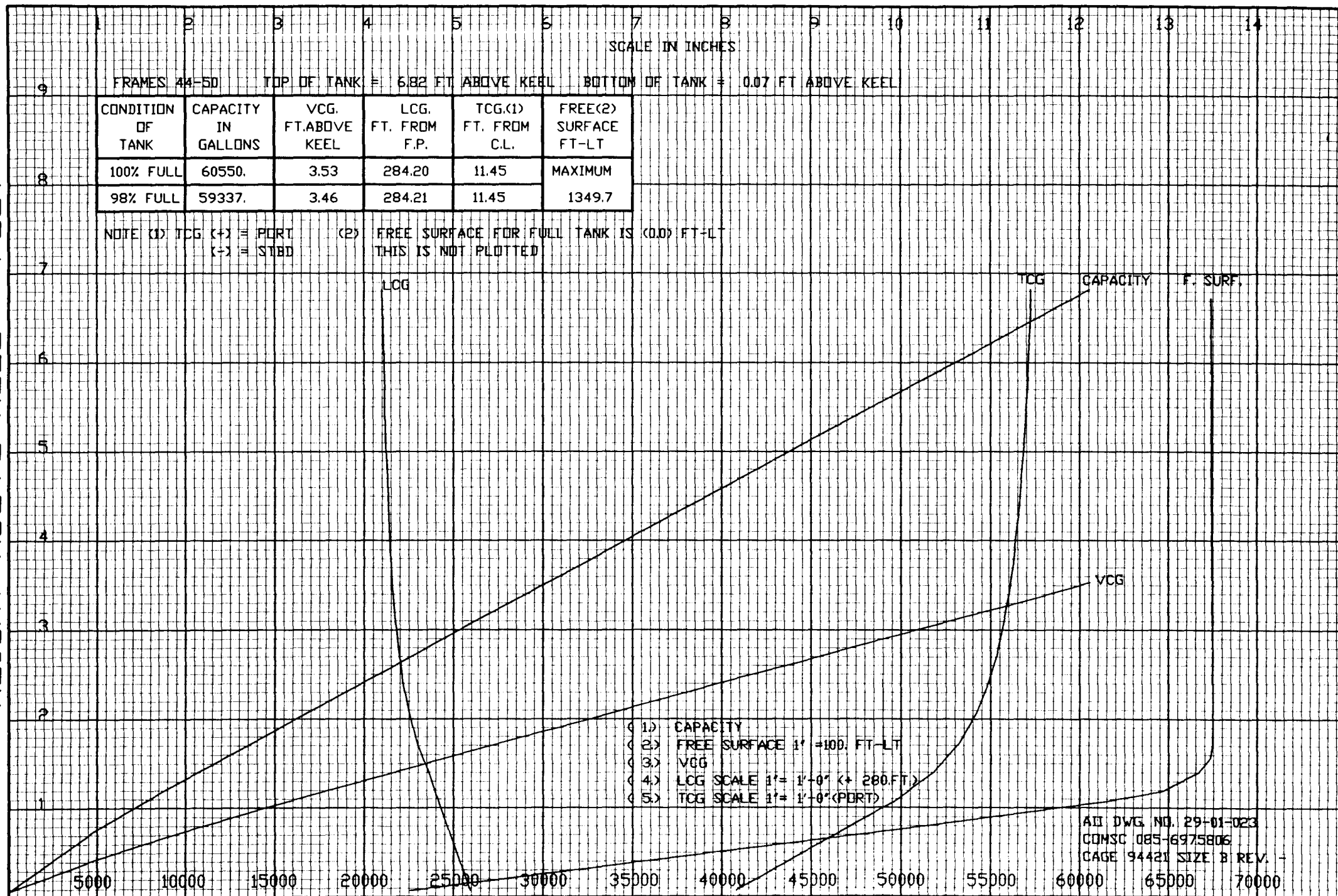
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	60550.	3.53	284.20	11.45	MAXIMUM
98% FULL	59337.	3.46	284.21	11.45	1349.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1' = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1' = 1'-0" (+ 280. FT.)
- (5) TCG SCALE 1' = 1'-0" (PORT)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

SCALE IN INCHES

FRAMES 50-57

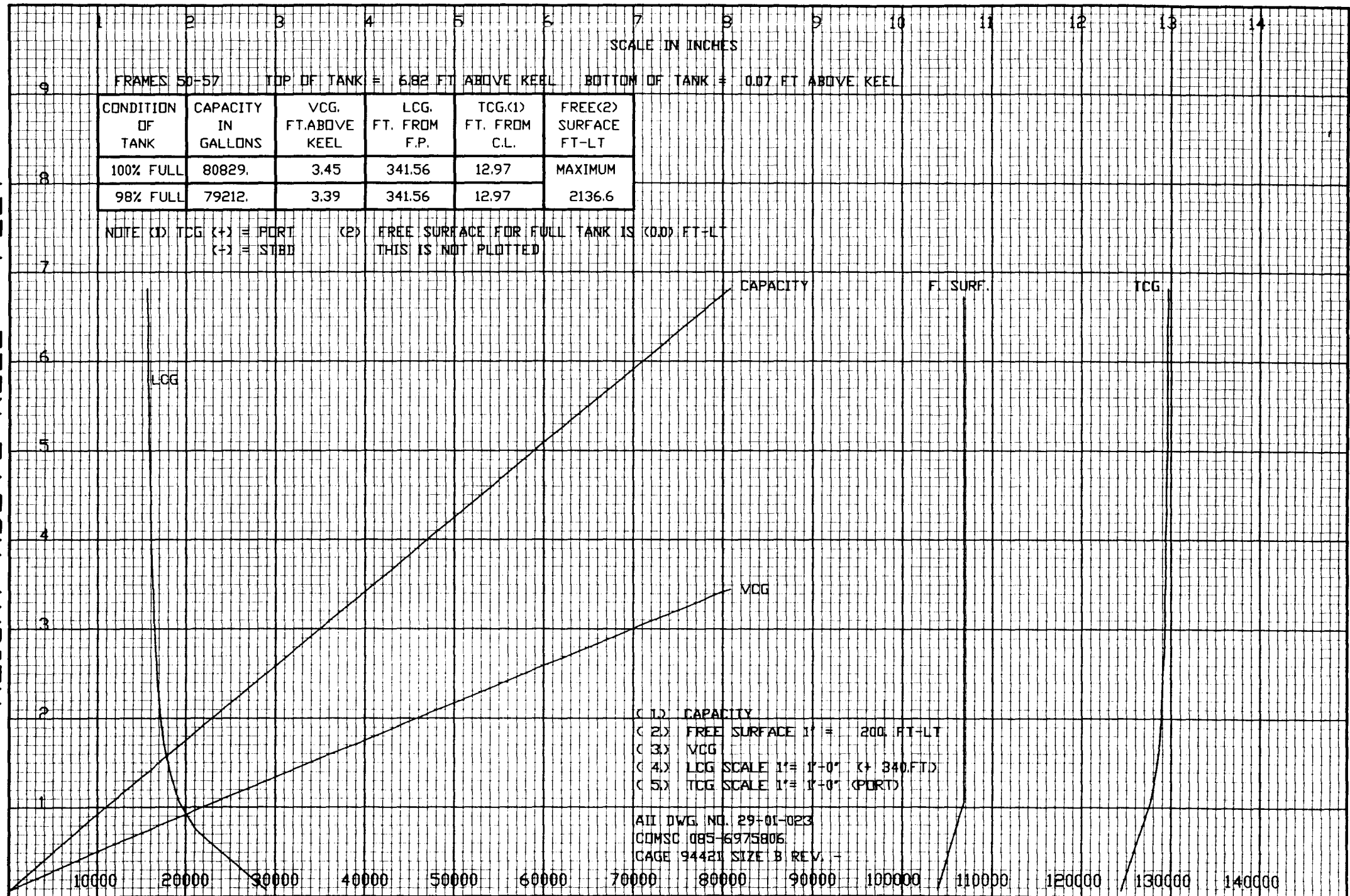
TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80829.	3.45	341.56	12.97	MAXIMUM
98% FULL	79212.	3.39	341.56	12.97	2136.6

NOTE (1) TCG (+) = PORT
(-) = STBD(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
 (2) FREE SURFACE 1" = 200 FT-LT
 (3) VCG
 (4) LCG SCALE 1" = 1'-0" (+ 340 FT)
 (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG NO. 29-01-023
 COMSC 085-6975806
 CAGE 94421 SIZE B REV. 1

TANK: FUEL OIL TANK NO 3C P OR S 8-64-2/1

SCALE IN INCHES

FRAMES 64-71

TOP OF TANK = 6.82 FT ABOVE KEEL

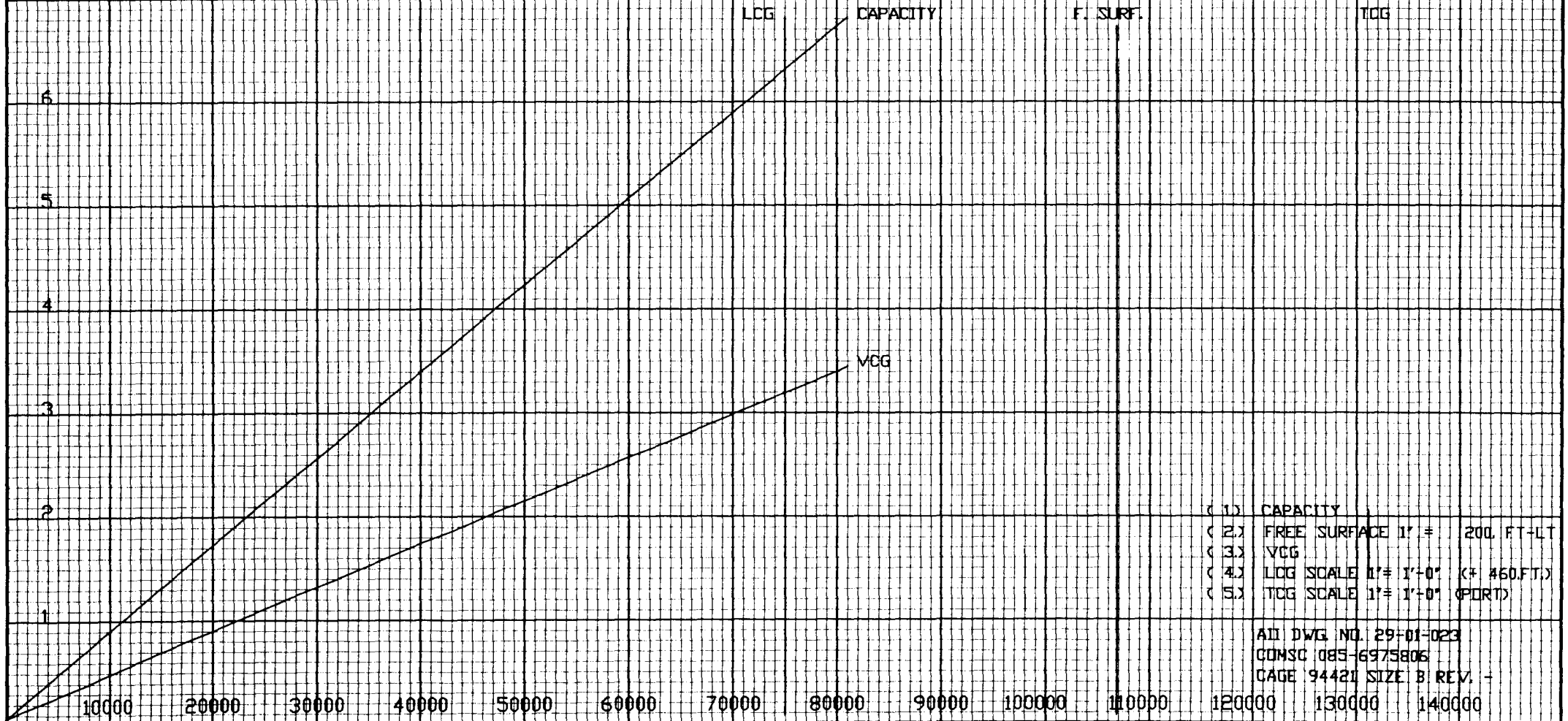
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	467.50	13.00	MAXIMUM
98% FULL	79442.	3.38	467.50	13.00	2136.6

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 200 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 460 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

AD DWG NO. 29-01-023
CONSC 085-6975806
CAGE 94420 SIZE B REV. -

TANK: FUEL OIL TANK NO 4A P OR S 8-71-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 71-78

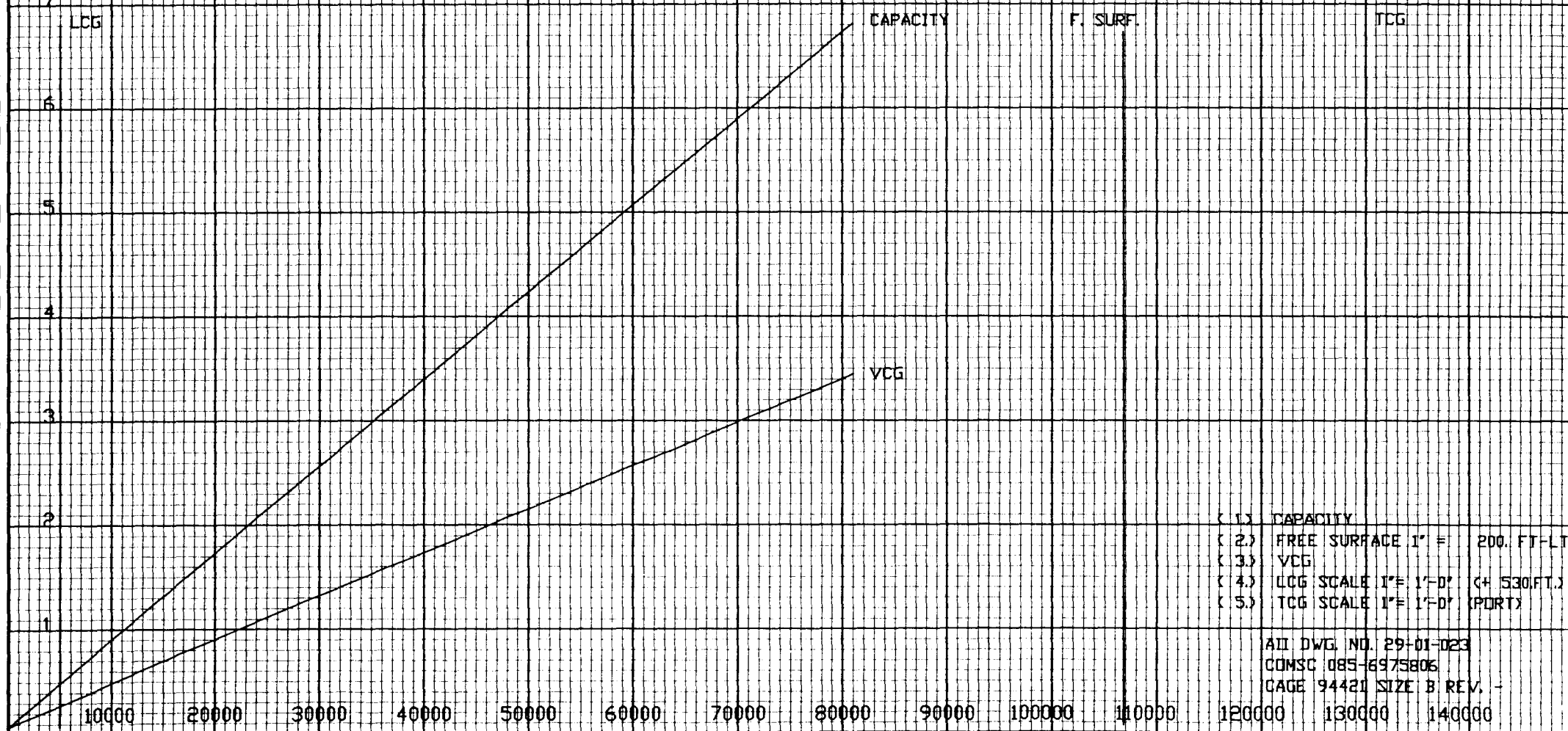
TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	530.50	13.00	MAXIMUM
98% FULL	79442.	3.38	530.50	13.00	2136.6

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 530. FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: FUEL OIL TANK NO 4B P OR S 8-78-2/1

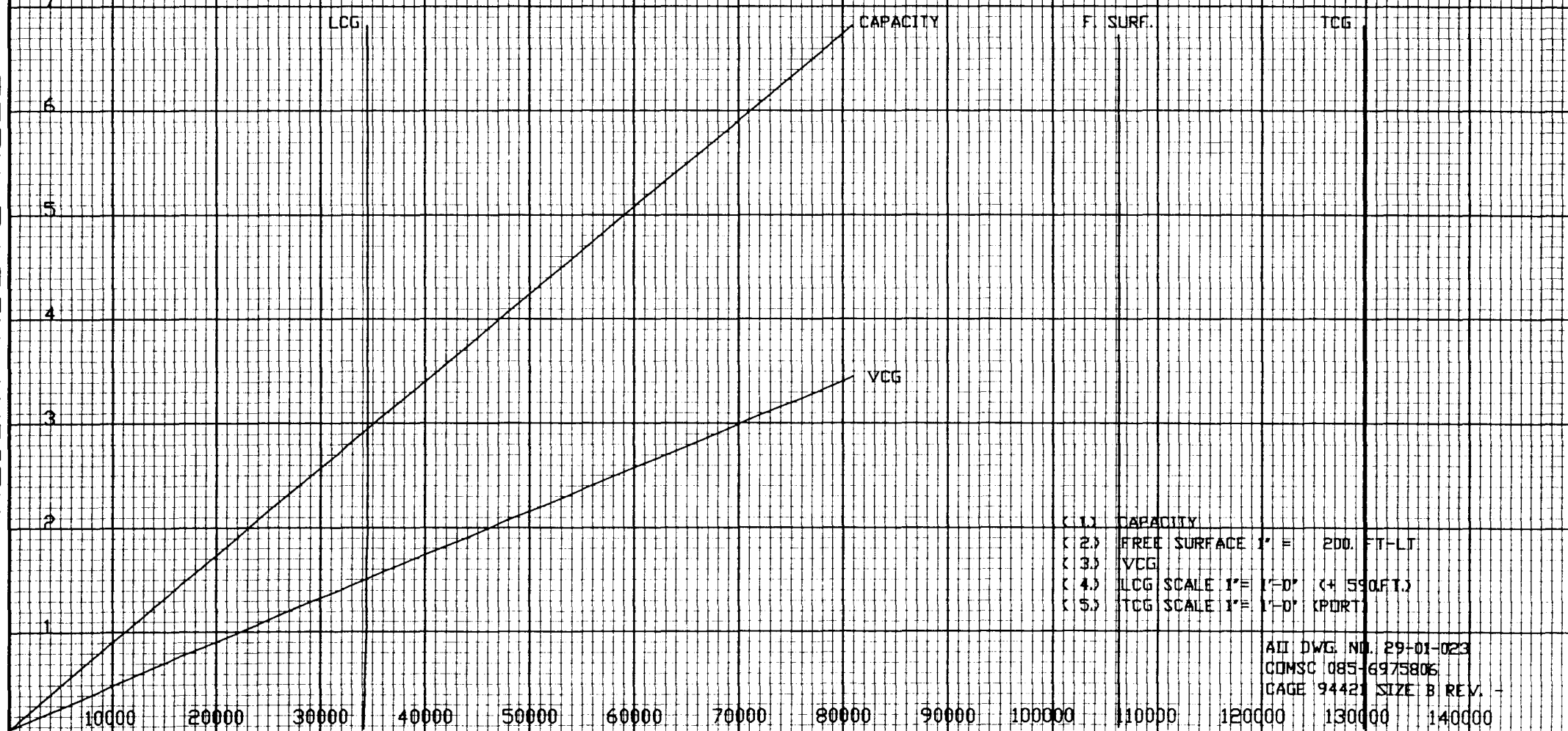
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 78-85 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80921.	3.45	593.45	12.98	MAXIMUM
98% FULL	79303.	3.38	593.45	12.98	2126.2

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



ALL DWG. NO. 29-01-023
COMSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: FUEL OIL TANK NO 6A P OR S 8-99-2/1

SCALE IN INCHES

FRAMES 99-103

TOP OF TANK = 31.57 FT ABOVE KEEL

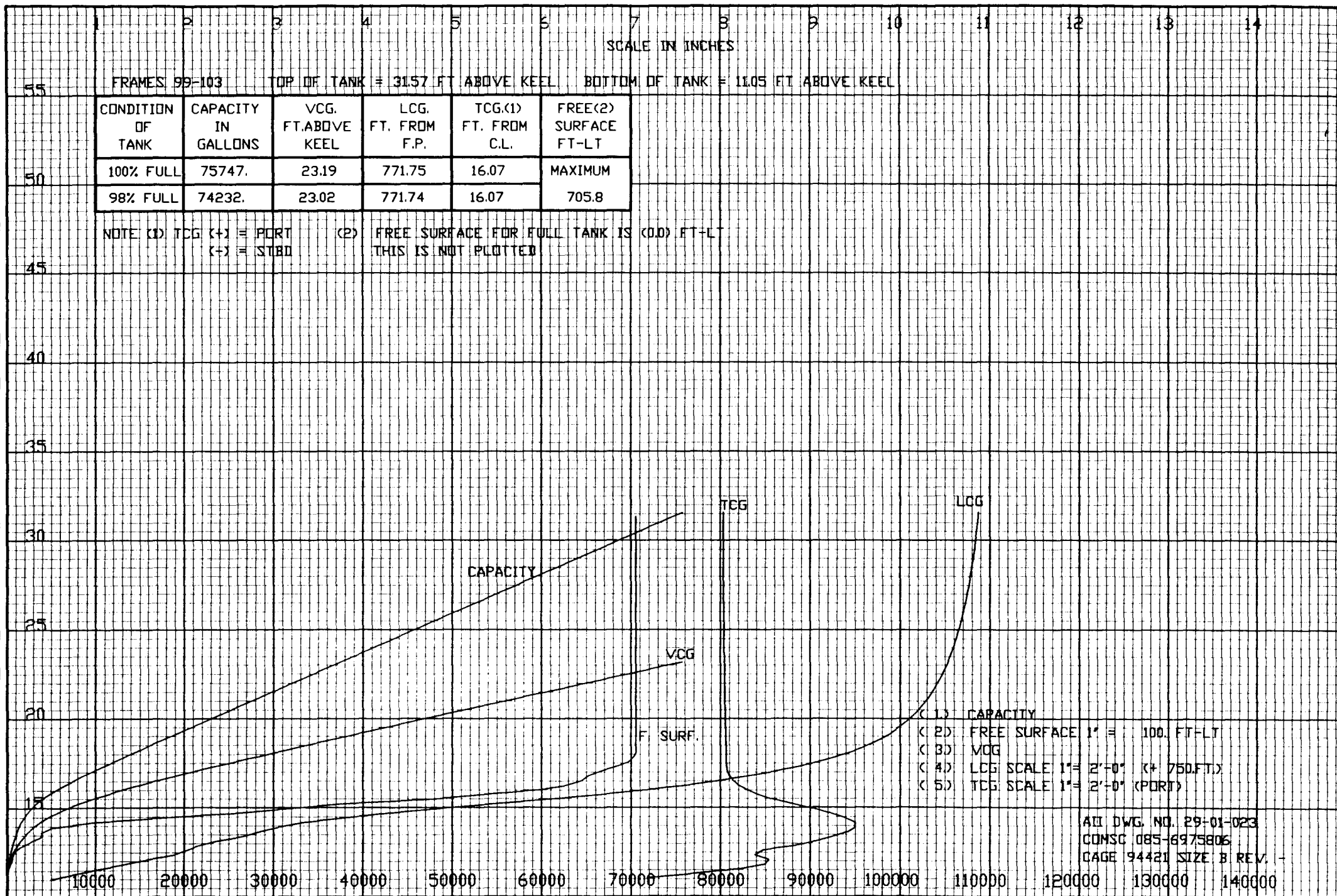
BOTTOM OF TANK = 11.05 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	75747.	23.19	771.75	16.07	MAXIMUM
98% FULL	74232.	23.02	771.74	16.07	705.8

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 750.FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

AW DWG. NO. 29-01-023
COMSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: FUEL OIL TANK NO 6B P OR S 8-103-2/1

SCALE IN INCHES

FRAMES 103-106

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 15.89 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	65123.	25.17	799.73	12.61	MAXIMUM
98% FULL	63821.	25.04	799.72	12.60	915.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

F. SURF.

LCG

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 780. FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

AD DWG. NO. 29-01-023
CONSC 085-6975806
PAGE 94421 SIZE B REV. -

HEIGHT ABOVE KEEL - FEET

TANK: FUEL OIL TANK NO 6C P OR S 8-106-2/1

SCALE IN INCHES

FRAMES 106-109

TOP OF TANK = 31.57 FT ABOVE KEEL

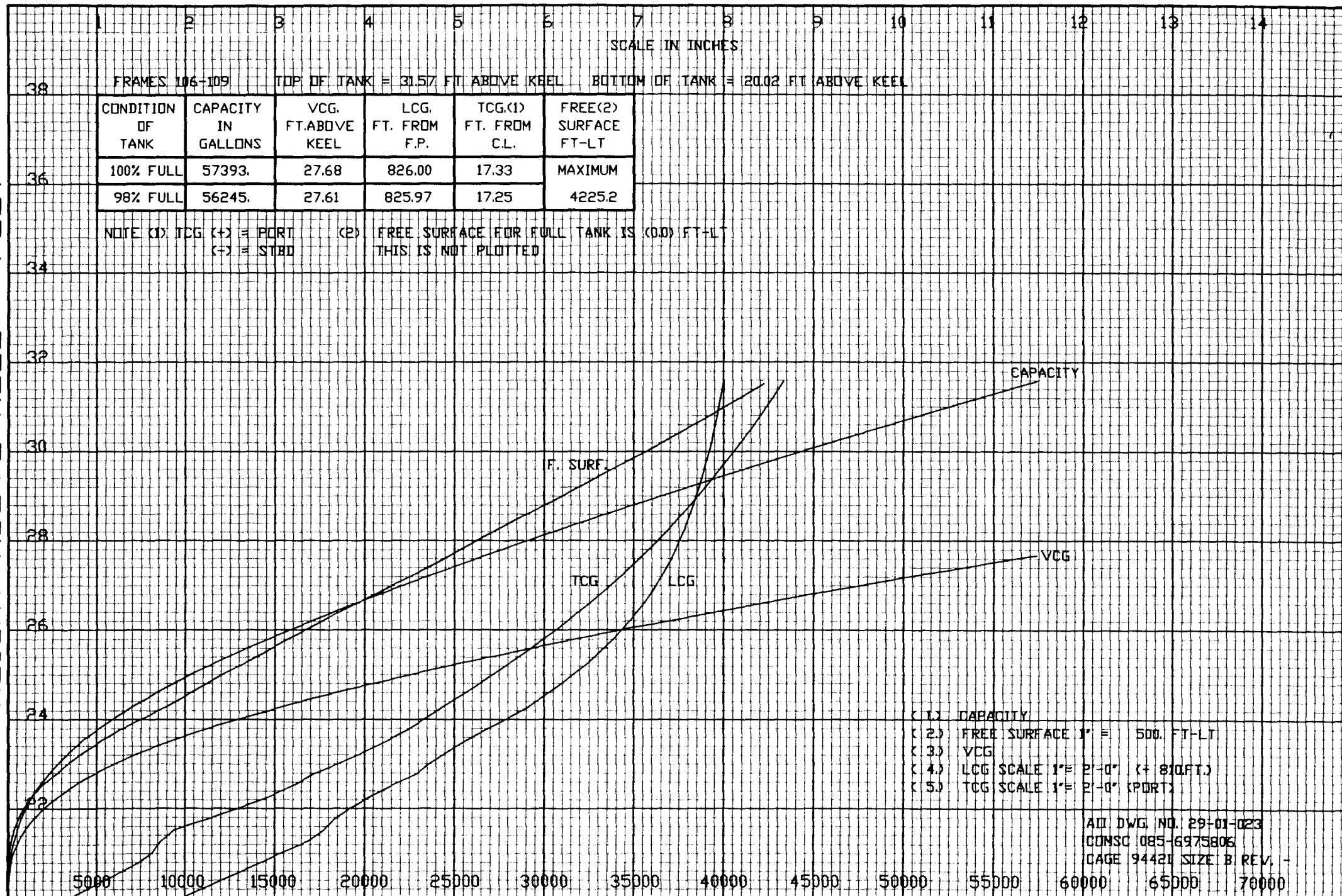
BOTTOM OF TANK = 20.02 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	57393.	27.68	826.00	17.33	MAXIMUM
98% FULL	56245.	27.61	825.97	17.25	4225.2

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1" = 500. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 810 FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

ALL DWG. NO. 29-01-023
CONSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: SSDG FUEL OIL SERVICE TANK 6.5-99-1

SCALE IN INCHES

FRAMES 99-101

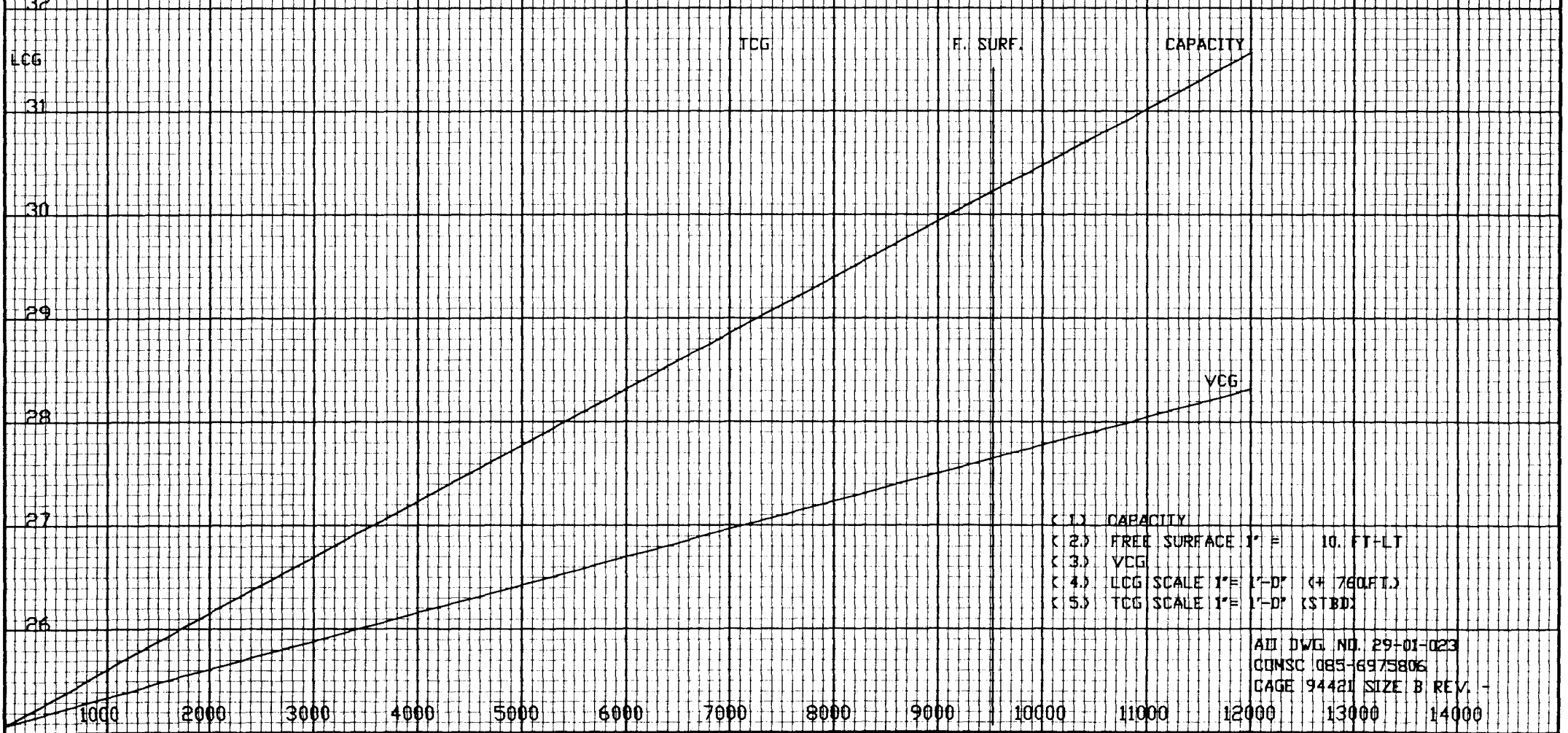
TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 25.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	12010.	28.32	760.00	-7.00	MAXIMUM
98% FULL	11770.	28.26	760.00	-7.00	95.3

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 760 FT.)
- (5) TCG SCALE 1" = 1'-0" (STBD)

ADJ DWG NO. 29-01-023
CONSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: FUEL OIL SETTLING TANK 8-99-0

SCALE IN INCHES

FRAMES 99-102

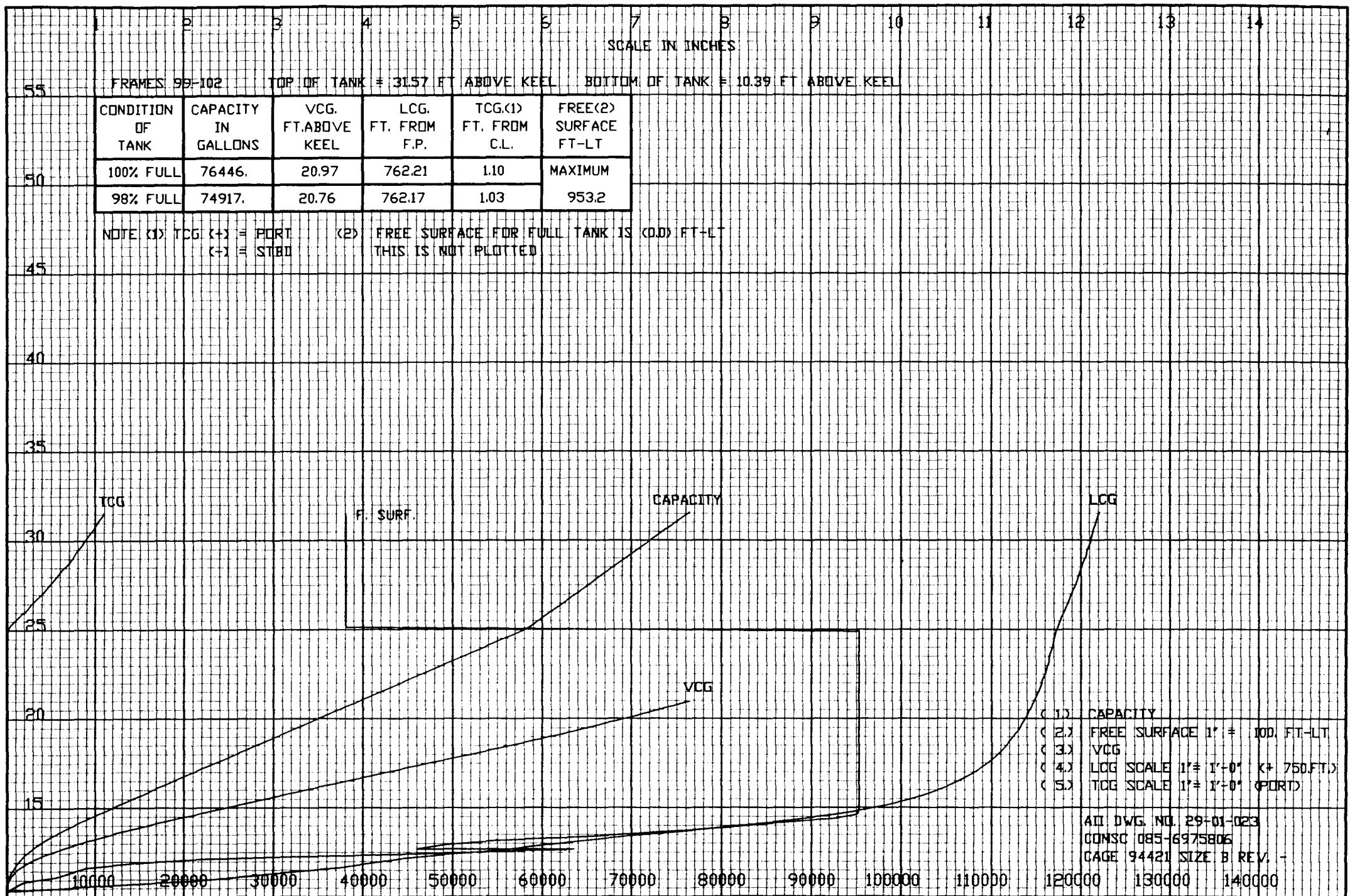
TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 10.39 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	76446.	20.97	762.21	1.10	MAXIMUM
98% FULL	74917.	20.76	762.17	1.03	953.2

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 750 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

AD DWG. NO. 29-01-023
CONSC 085-6975806
PAGE 94421 SIZE B REV. -

TANK: FUEL OIL SERVICE TANK P 6.5-85-2

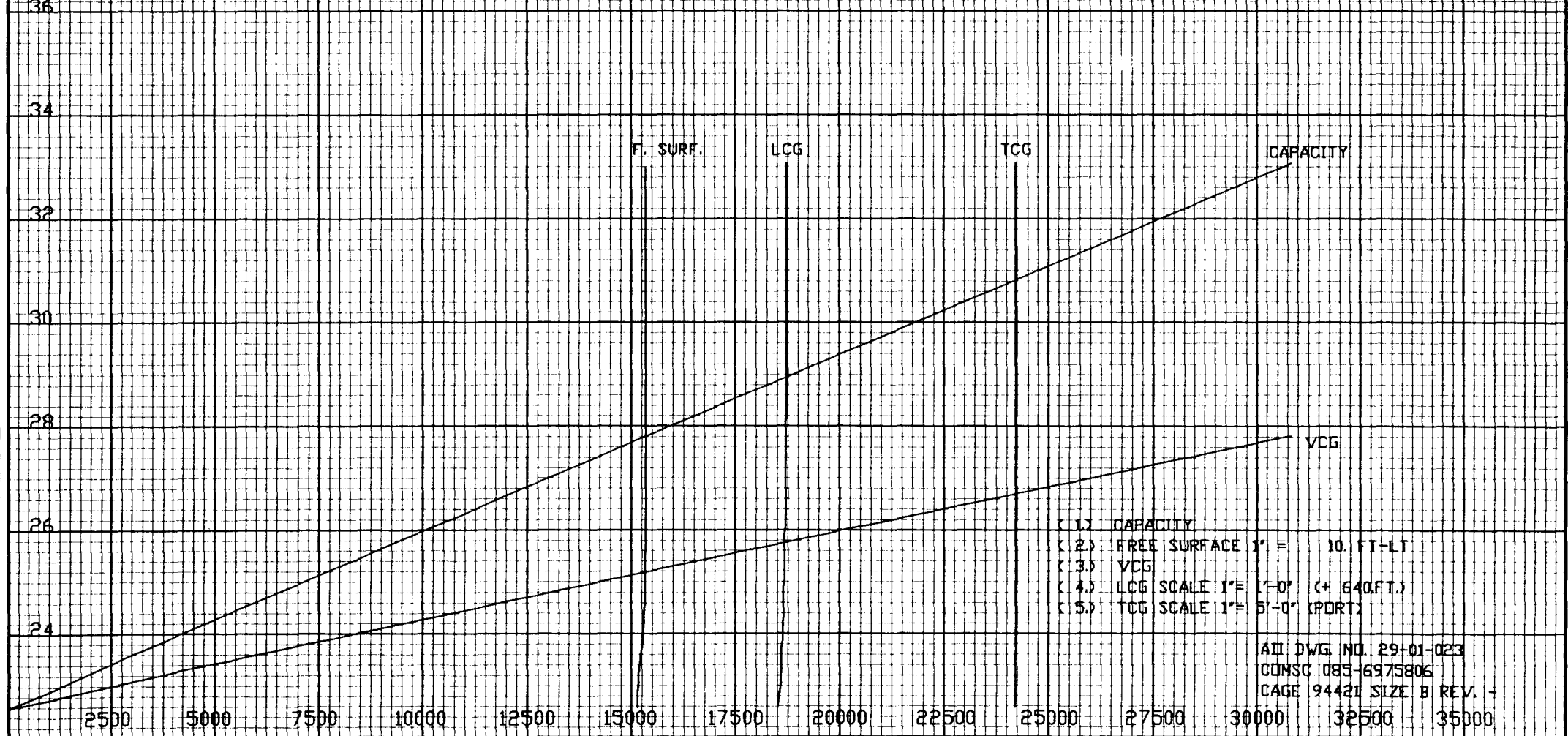
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 85-90 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	30837.	27.82	647.49	48.45	MAXIMUM
98% FULL	30221.	27.72	647.49	48.45	61.4

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 640 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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TANK: FUEL OIL SERVICE TANK S 6.5-85-1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 85-90

TOP OF TANK = 33.07 FT ABOVE KEEL

BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	27764.	27.82	645.25	-48.45	MAXIMUM
98% FULL	27209.	27.72	645.25	-48.45	55.3

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

LCG F. SURF.

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 640 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

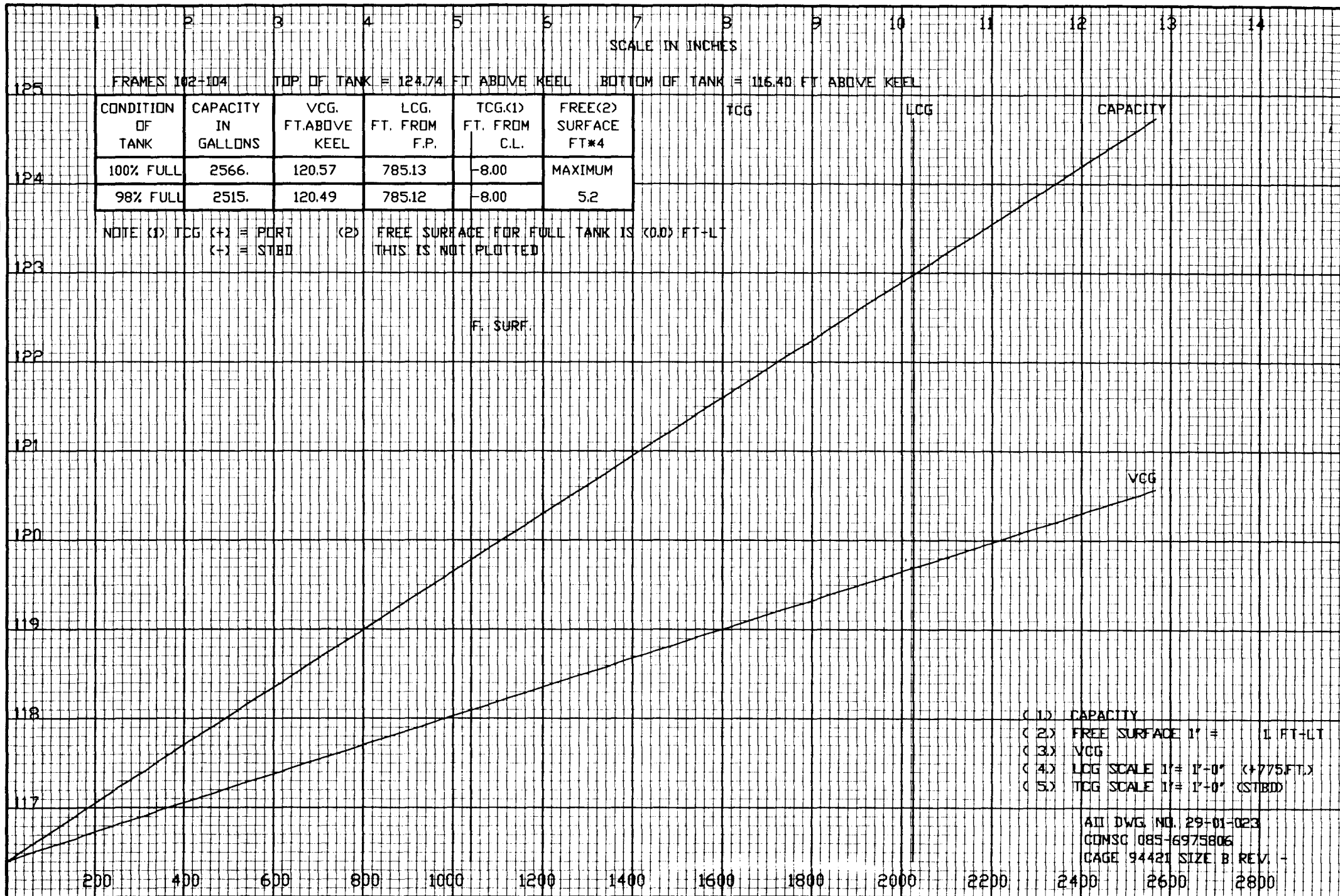
ADW NO. 29-01-023
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PAGE 94421 SIZE B REV. -

2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 26000 28000

CAPACITY IN GALLONS

TANK: EM GEN FO SERVICE TANK 02.5-103-1

HEIGHT ABOVE KEEL - FEET



TANK: ME/SSDG LO STORAGE TANK P 6.5-91-2

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 91-93

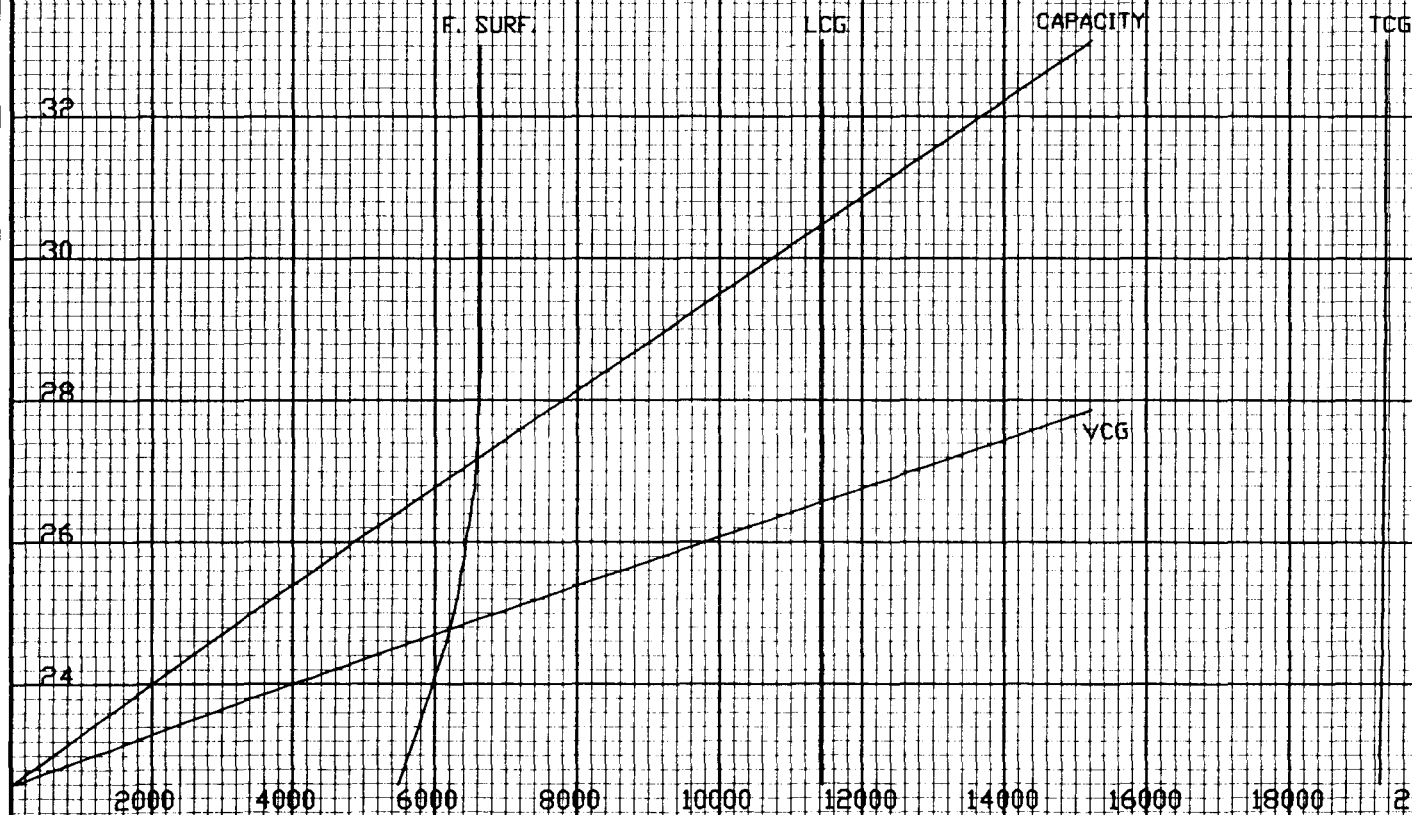
TOP OF TANK = 33.07 FT ABOVE KEEL

BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT*4
100% FULL	15237.	27.86	685.72	48.40	MAXIMUM
98% FULL	14933.	27.76	685.72	48.40	33.2

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+680 FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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CAGE 94421 SIZE B REV. -

TANK: ME/SSDG LO STORAGE TANK S 6.5-90-1

SCALE IN INCHES

FRAMES 90-94

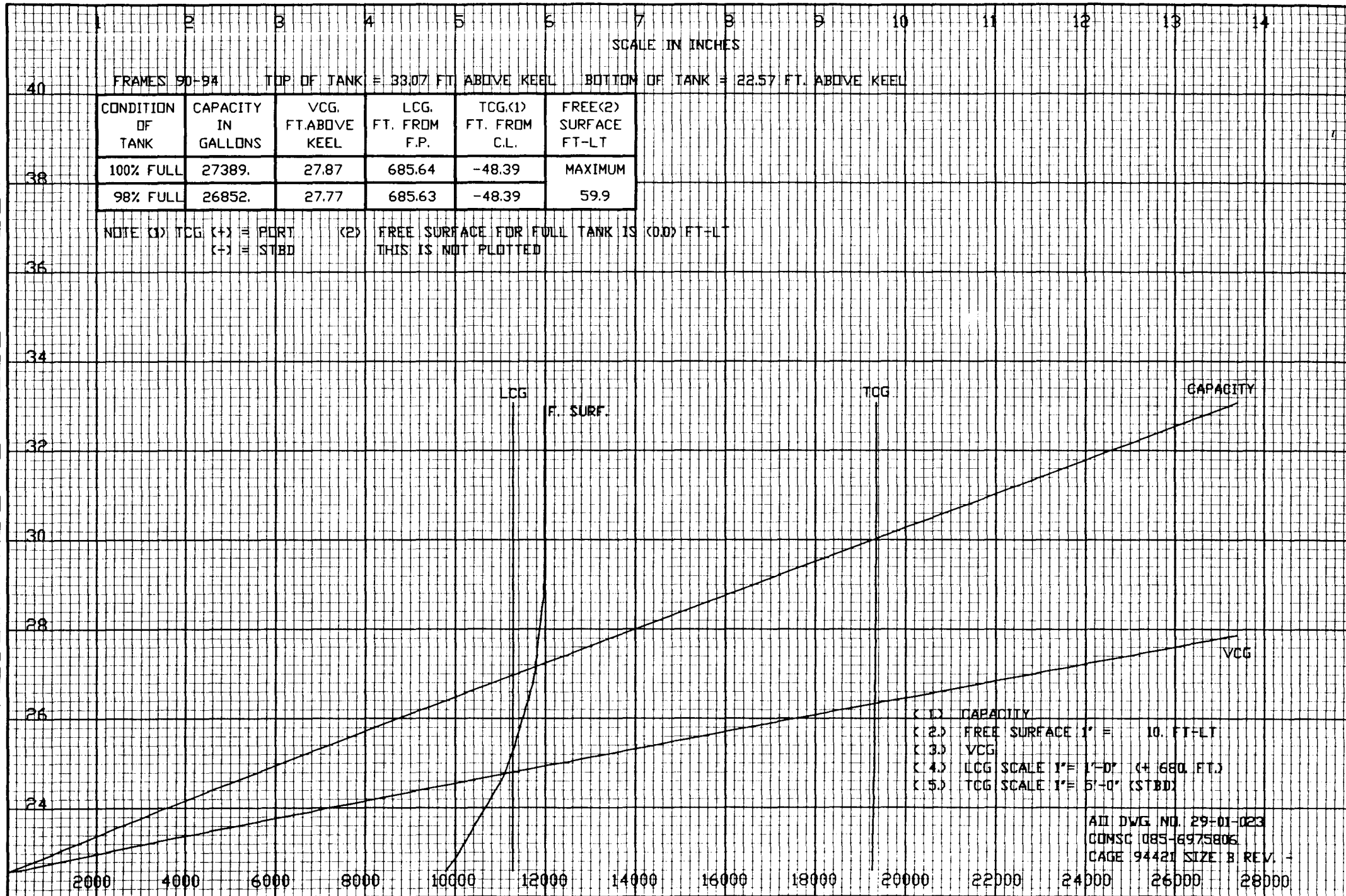
TOP OF TANK = 33.07 FT ABOVE KEEL

BOTTOM OF TANK = 22.57 FT. ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	27389.	27.87	685.64	-48.39	MAXIMUM
98% FULL	26852.	27.77	685.63	-48.39	59.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1' = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680. FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

AD DWG NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: ME/SSDG LO SETTLING TANK P 6.5-93-2

SCALE IN INCHES

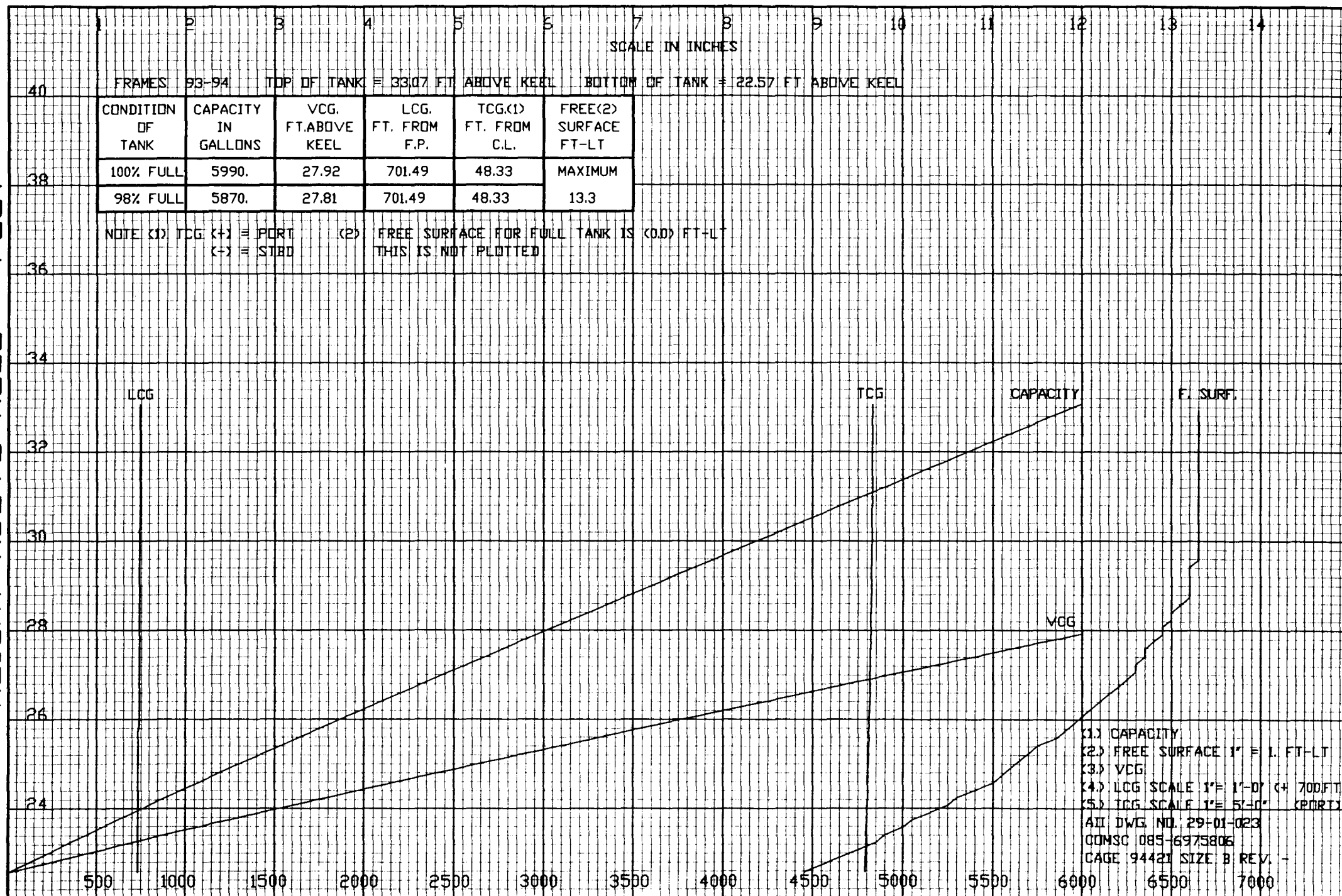
FRAMES 93-94 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5990.	27.92	701.49	48.33	MAXIMUM
98% FULL	5870.	27.81	701.49	48.33	13.3

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



(1.) CAPACITY
(2.) FREE SURFACE 1" = 1. FT-LT
(3.) VCG
(4.) LCG SCALE 1" = 1'-0" (+ 700 FT.)
(5.) TCG SCALE 1" = 5'-0" (PORT)
AII DWG NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: CPP LO STORAGE TANK 5-93-2

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 93-94

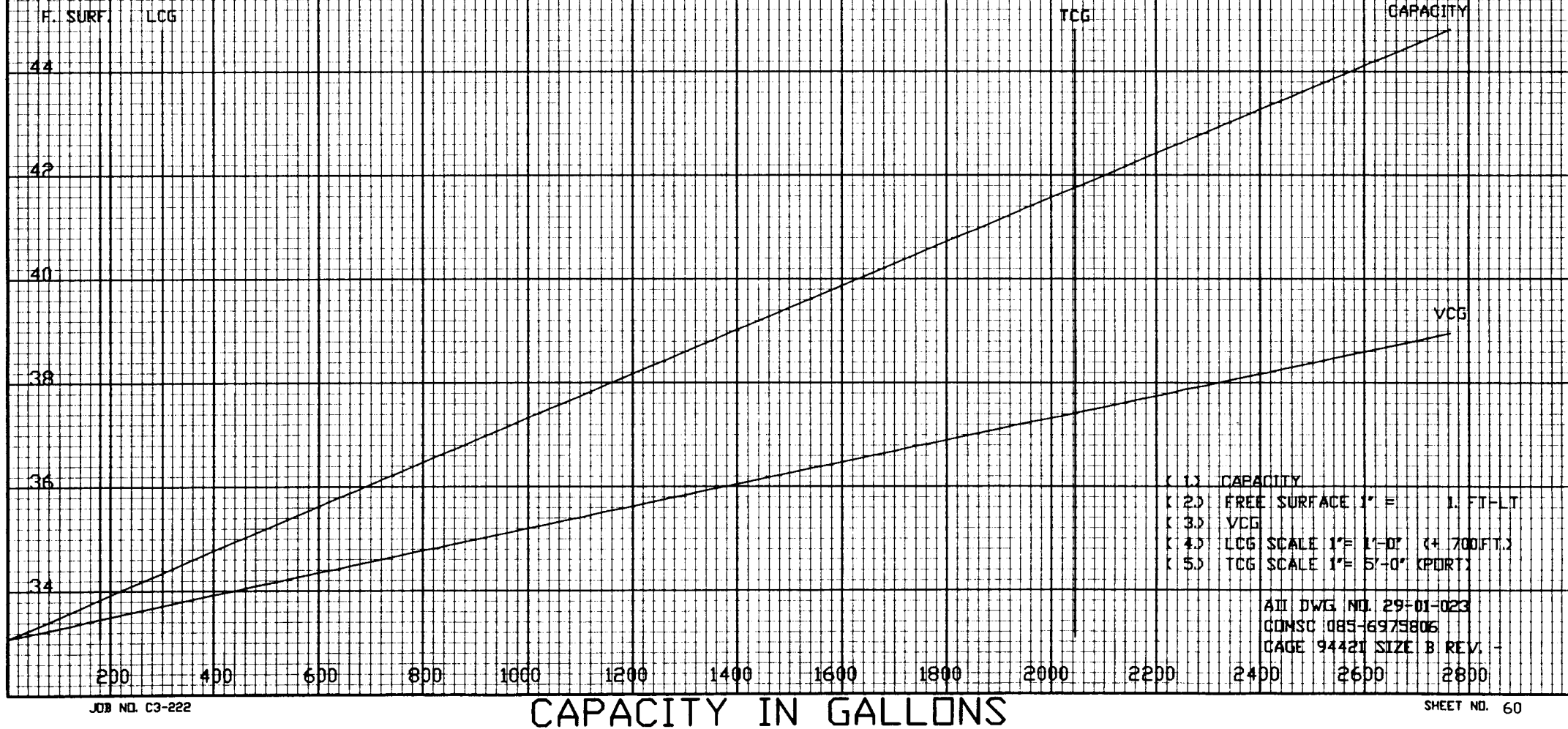
TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	2765.	38.95	701.50	51.12	MAXIMUM
98% FULL	2710.	38.83	701.50	51.12	0.9

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 700 FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

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TANK: CFF ED SETTLING TANK

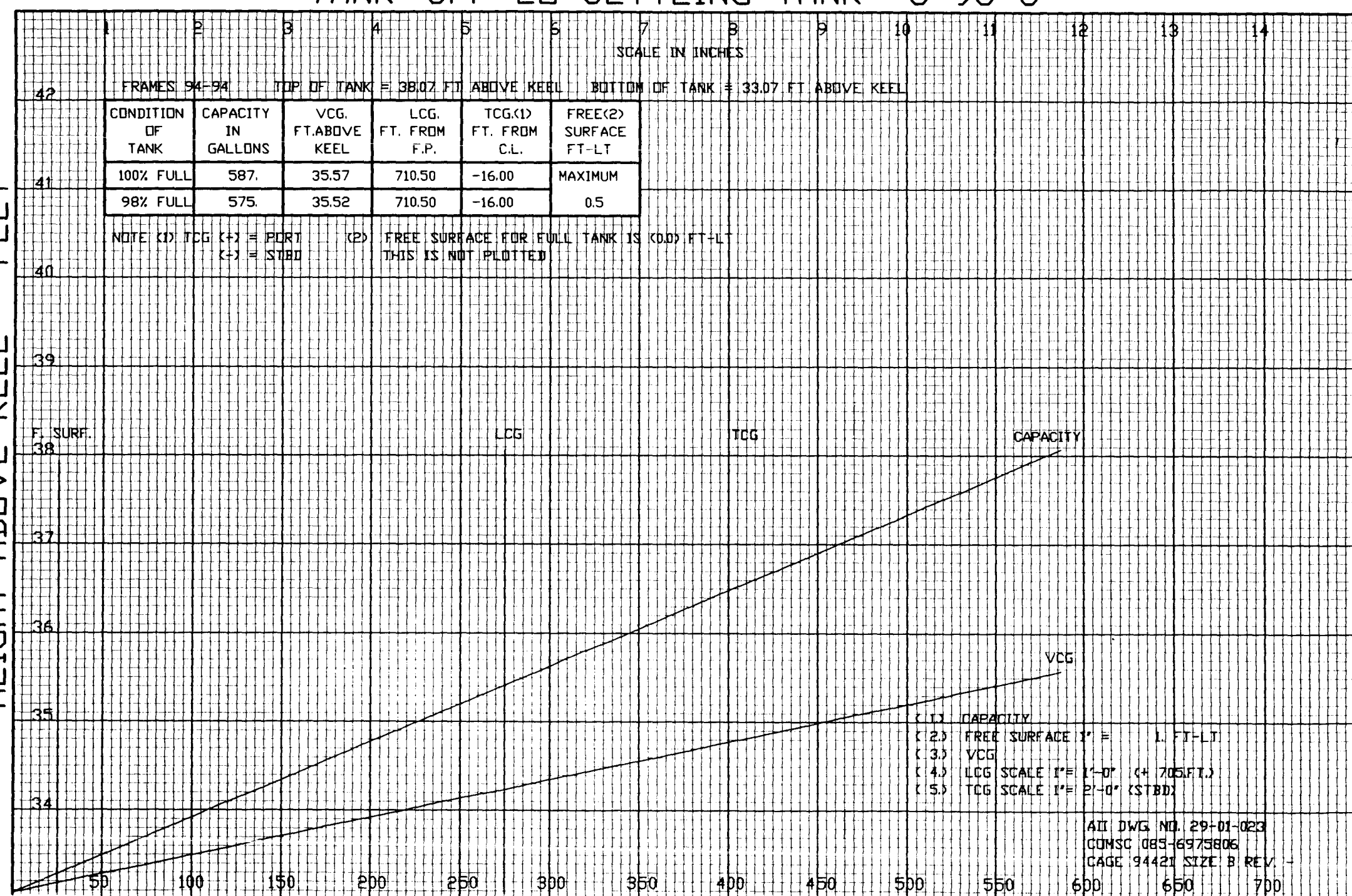
SCALE IN INCHES

FRAMES 94-94 TOP OF TANK = 38.07 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	587.	35.57	710.50	-16.00	MAXIMUM
98% FULL	575.	35.52	710.50	-16.00	0.5

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

HEIGHT ABOVE KEEL - FEET



- (1) CAPACITY
- (2) FREE SURFACE 1' = 1' FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 705 FT.)
- (5) TCG SCALE 1" = 2'-0" (STBD)

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HEIGHT ABOVE KEEL - FEET

TANK: RG LO STORAGE TANK J-72 L

SCALE IN INCHES

FRAMES 92-93

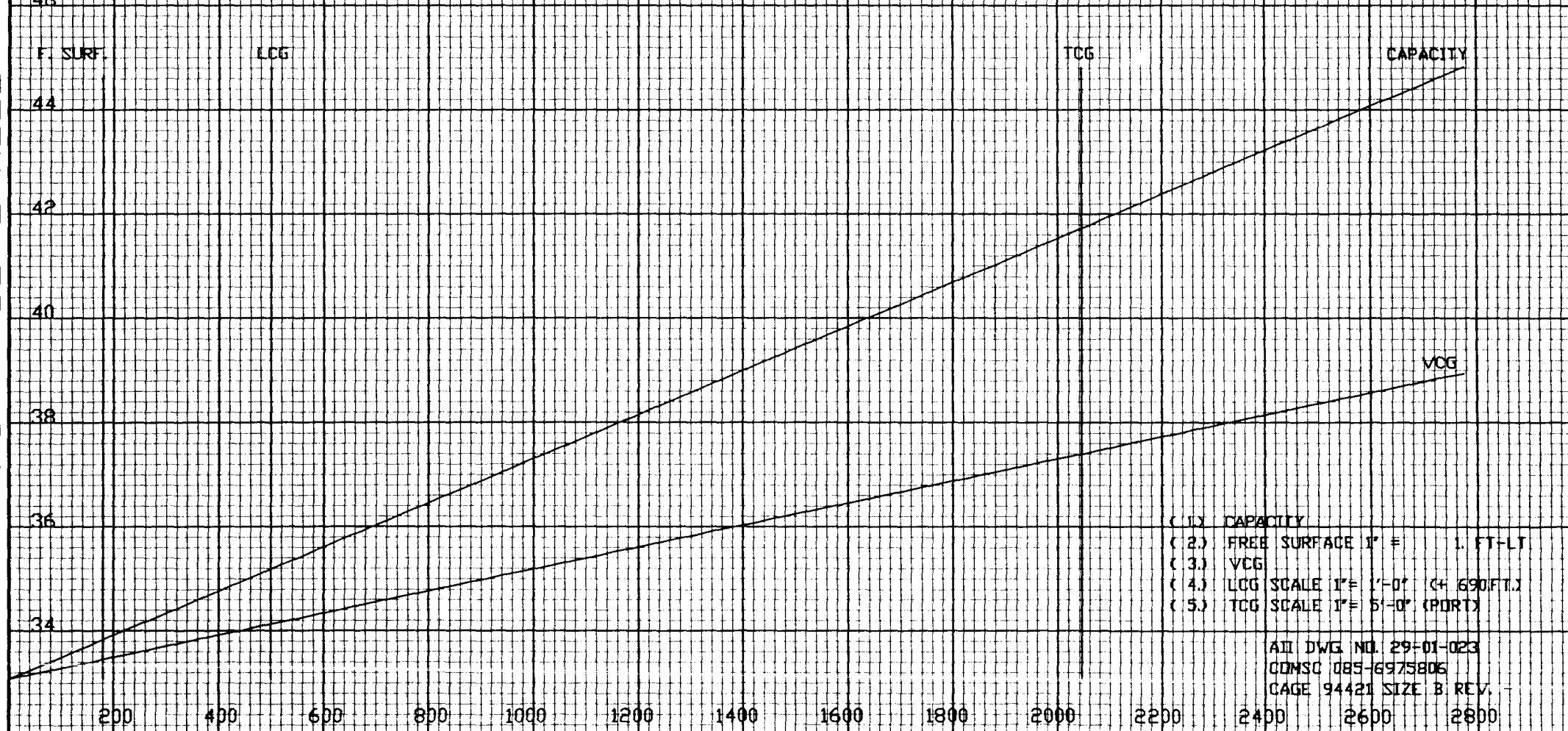
TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2776.	38.94	692.50	51.12	MAXIMUM
98% FULL	2721.	38.83	692.50	51.12	0.9

NOTE (1) TCG: (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+690 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

AD DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV.

TANK: RO LO SETTLING TANK

HEIGHT ABOVE KEEL - FEET

FRAMES 94-95 TOP OF TANK = 41.07 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL SCALE IN INCHES

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	1408.	37.07	710.50	-21.00	MAXIMUM
98% FULL	1380.	36.99	710.50	-21.00	1.8

F. SURF.

NOTE (1) TCG (+) = PORT
(-) = STBD
(2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT
THIS IS NOT PLOTTED

CAPACITY

TCG

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1.1 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 710 FT.)
- (5) TCG SCALE 1" = 2'-0" (STBD)

ALL DWG NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 86-90

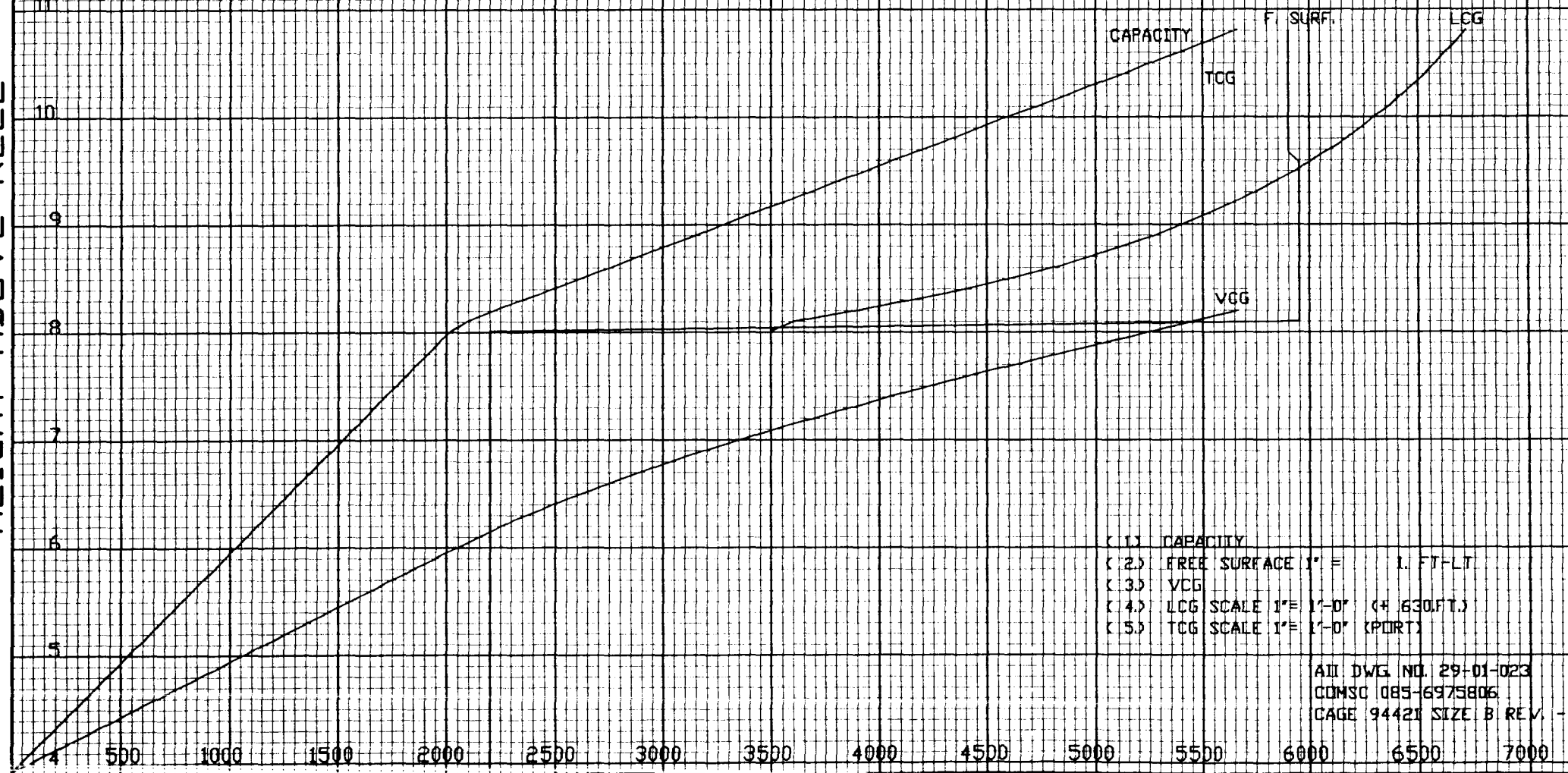
TOP OF TANK = 10.81 FT ABOVE KEEL

BOTTOM OF TANK = 3.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5664.	8.20	643.44	11.00	MAXIMUM
98% FULL	5551.	8.14	643.36	11.00	11.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 630 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

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COMSC 085-6975806
CAGE 94421 SIZE B REV. -

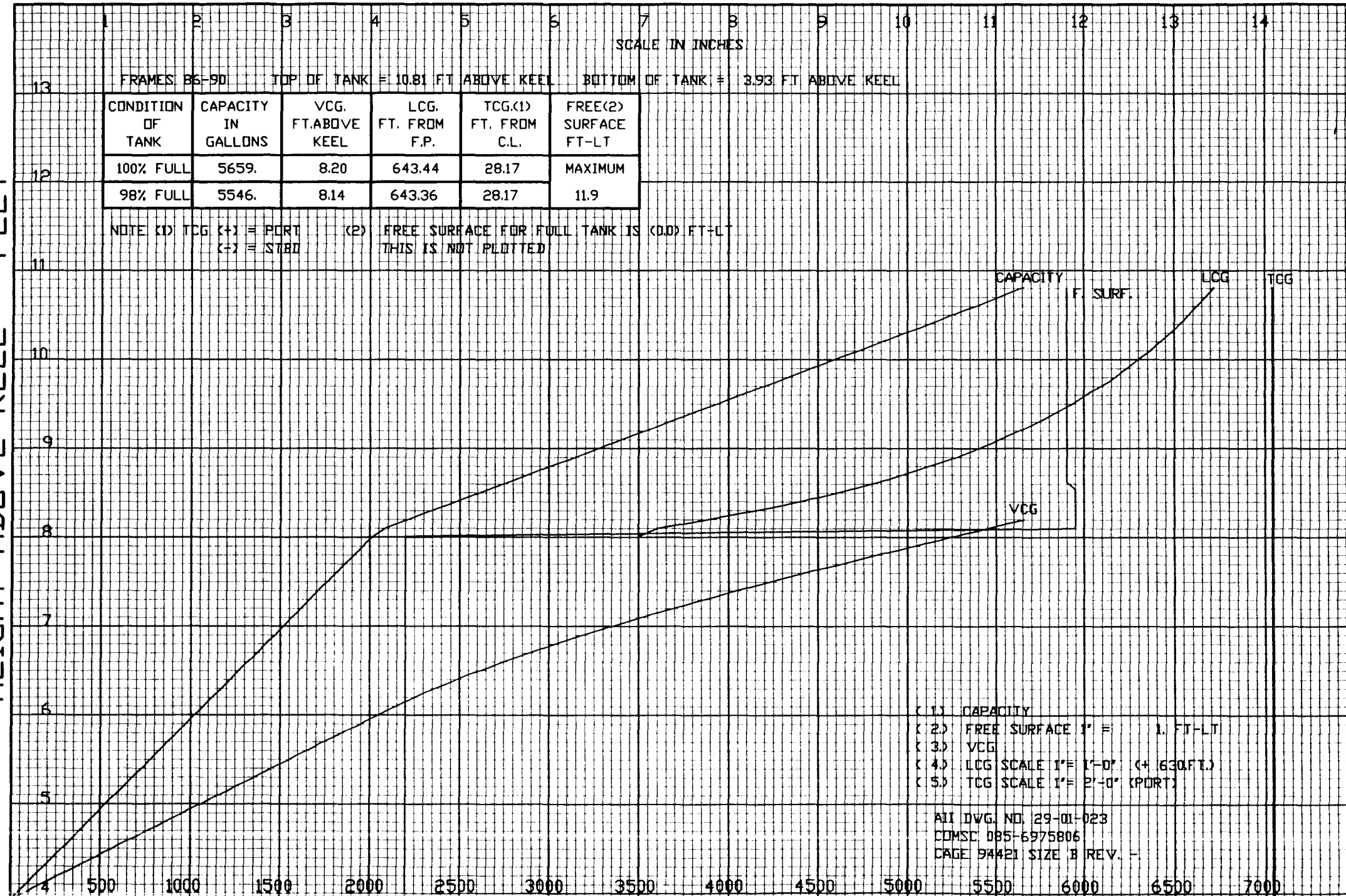
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 86-90 TOP OF TANK = 10.81 FT ABOVE KEEL BOTTOM OF TANK = 3.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5659.	8.20	643.44	28.17	MAXIMUM
98% FULL	5546.	8.14	643.36	28.17	11.9

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 630.FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

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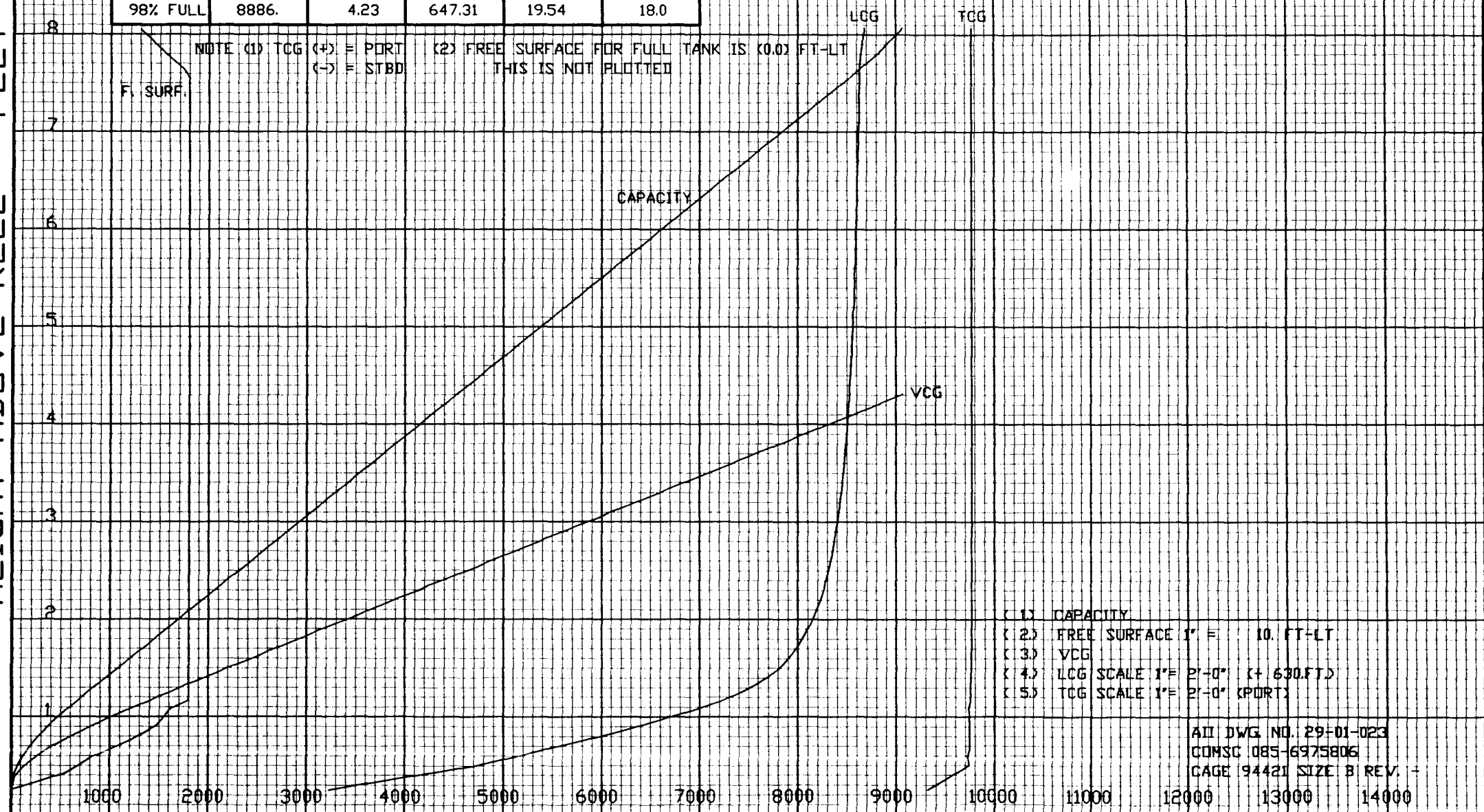
TANK: CSA WASTE OIL TANK 8-87-2

HEIGHT ABOVE KEEL - FEET

FRAMES 86-89 TOP OF TANK = 80.7 FT ABOVE KEEL BOTTOM OF TANK = 0.25 FT ABOVE KEEL SCALE IN INCHES

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	9067.	4.31	647.36	19.54	MAXIMUM
98% FULL	8886.	4.23	647.31	19.54	18.0

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 630.FT)
- (5) TCG SCALE 1" = 2'-0" (PORT)

AD DWG NO. 29-01-023
CONSC 085-6975806
CAGE 94421 SIZE B REV. -

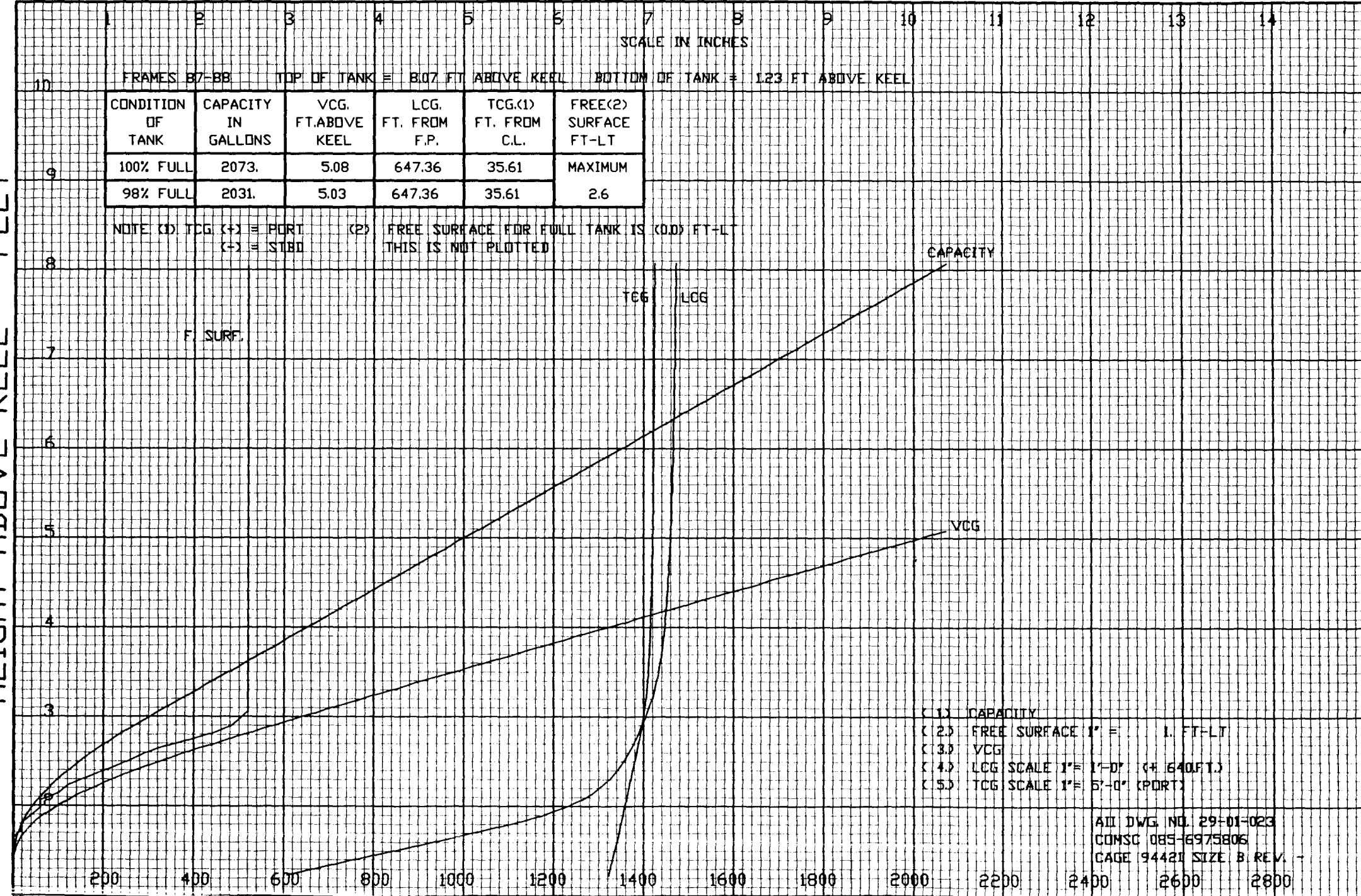
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 87-88 TOP OF TANK = 8.07 FT ABOVE KEEL BOTTOM OF TANK = 123 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2073.	5.08	647.36	35.61	MAXIMUM
98% FULL	2031.	5.03	647.36	35.61	2.6

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

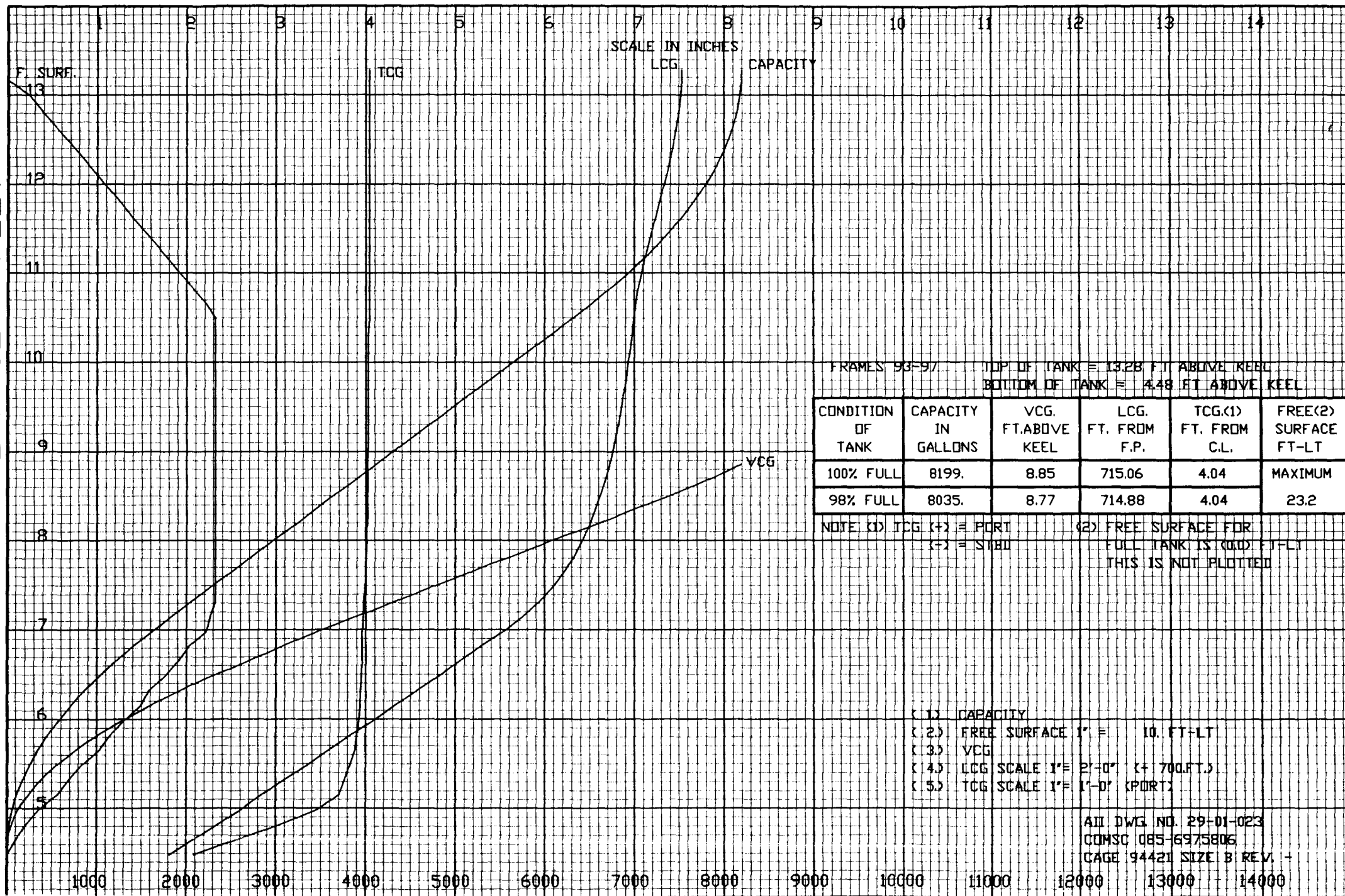


- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 640 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -

TANK: ENGINE ROOM WASTE OIL TANK 8-74-C

HEIGHT ABOVE KEEL - FEET



TANK: ENGINE ROOM OIL WASTE HOLDING TANK

SCALE IN INCHES

FRAMES 93-94

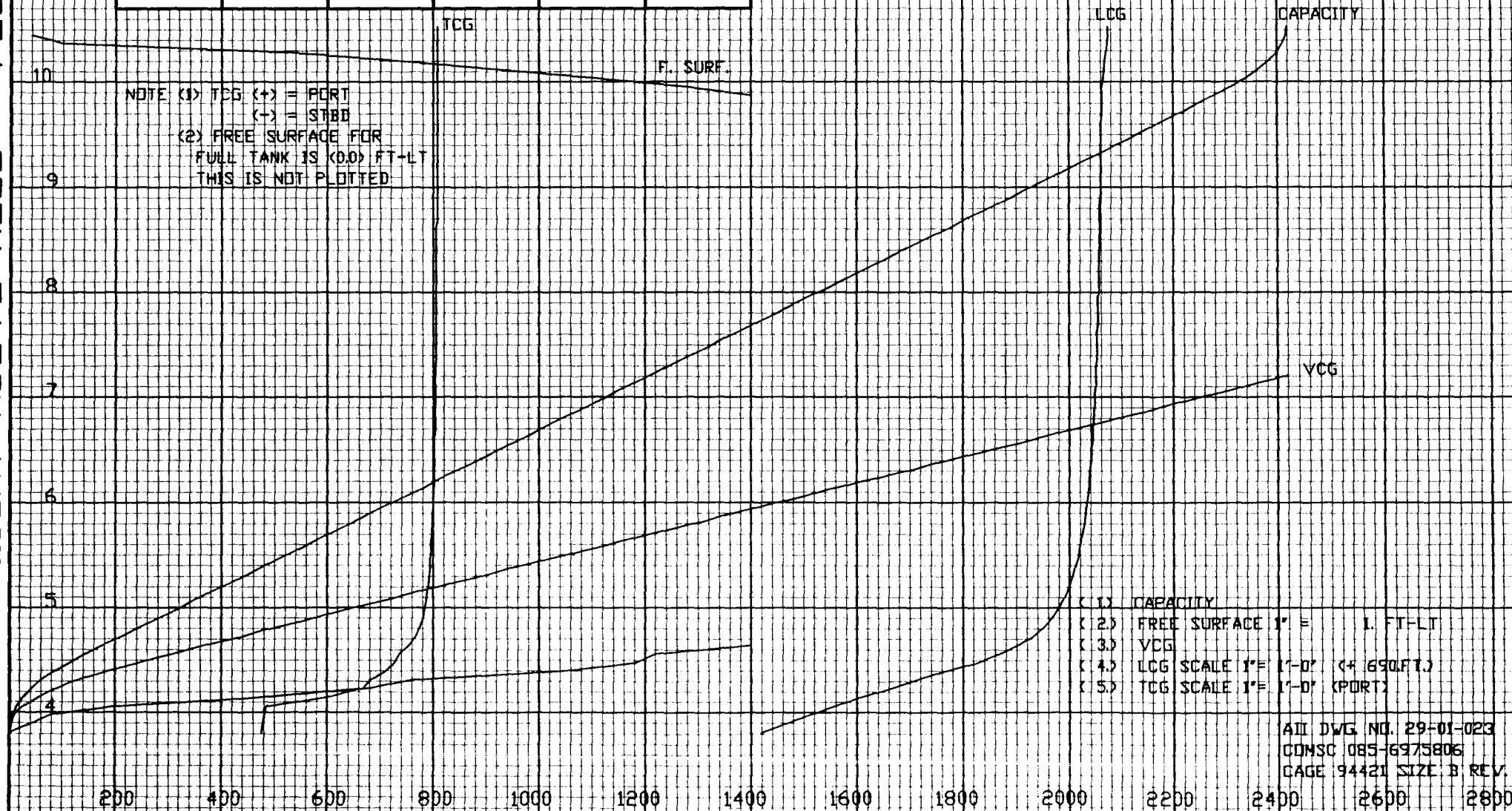
TOP OF TANK = 10.53 FT ABOVE KEEL

BOTTOM OF TANK = 3.81 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2418.	7.21	700.37	4.04	MAXIMUM
98% FULL	2369.	7.14	700.33	4.04	7.0

HEIGHT ABOVE KEEL - FEET

NOTE (1) TCG (+) = PORT
(-) = STBD
(2) FREE SURFACE FOR
FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



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TANK: DILTY WASTE DRAIN COLLECTING TANK 7.5 GGE

SCALE IN INCHES

FRAMES 86-87

TOP OF TANK = 7.75 FT ABOVE KEEL

BOTTOM OF TANK = 4.42 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	627.	6.00	636.29	3.00	MAXIMUM
98% FULL	615.	5.97	636.26	3.00	1.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

- < 1> CAPACITY
- < 2> FREE SURFACE 1' = 1. FT-LT
- < 3> VCG
- < 4> LCG SCALE 1' = 1'-0" (+ 630 FT.)
- < 5> TCG SCALE 1' = 1'-0" (PORT)

HEIGHT ABOVE KEEL - FEET



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TANK USED OIL TANK

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	26453.	8.55	709.34	-21.10	MAXIMUM
98% FULL	25917.	8.47	709.13	-21.09	1041.8

FRAMES 93-95

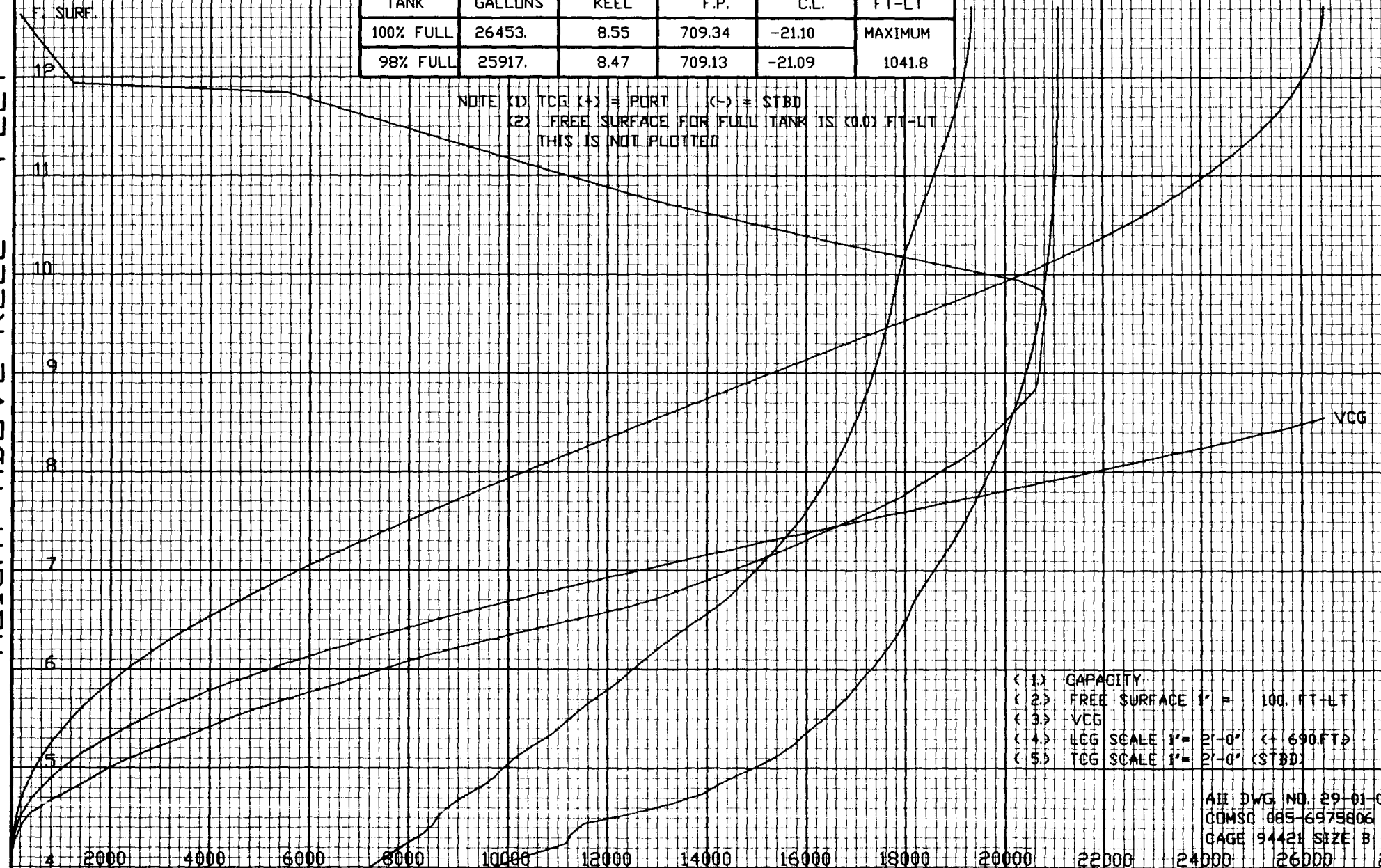
TOP OF TANK = 12.72 FT ABOVE KEEL

BOTTOM OF TANK = 3.94 FT ABOVE KEEL

SCALE IN INCHES

NOTE (1) TCG (+) = PORT (-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

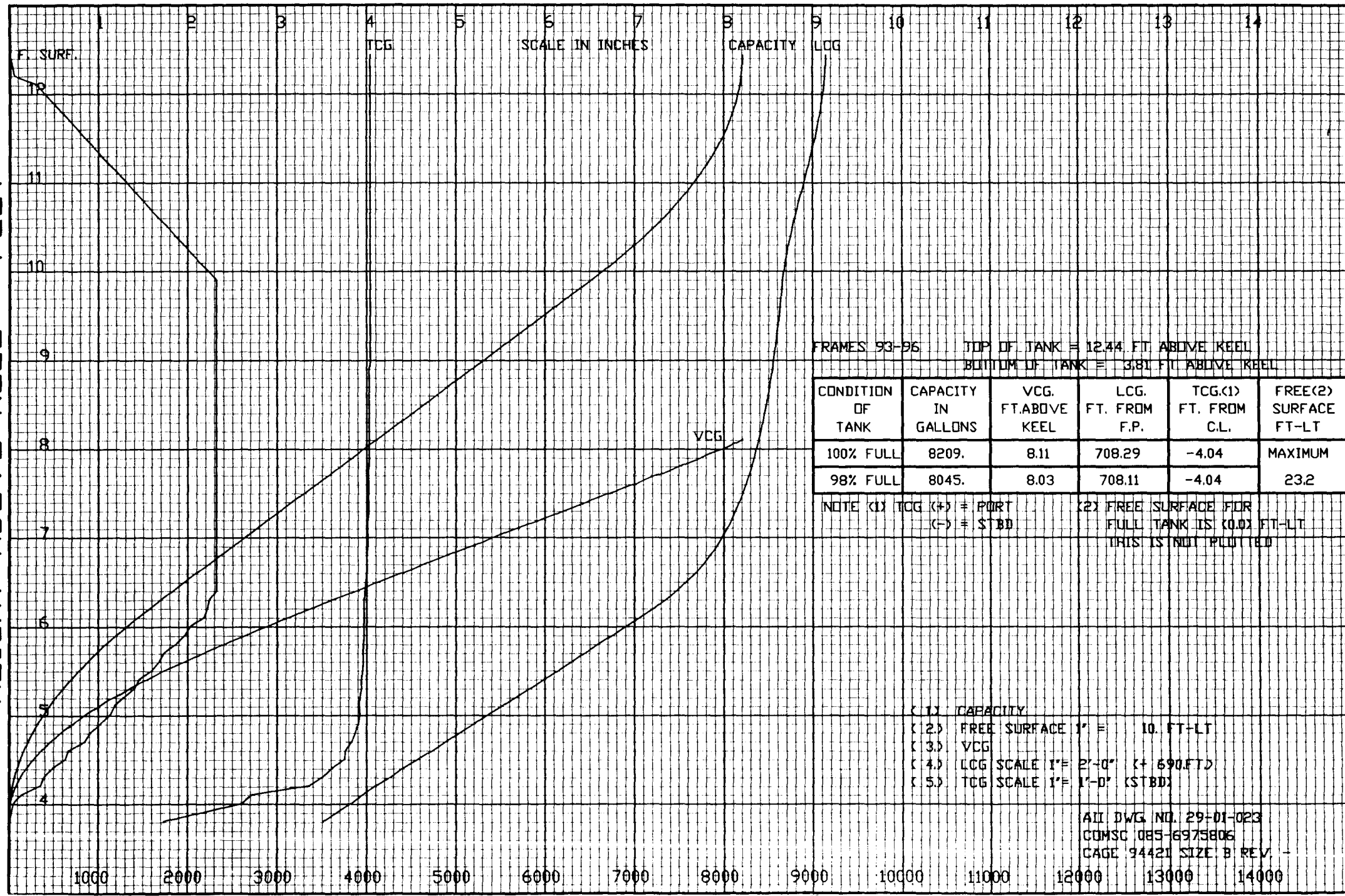


- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 690. FT)
- (5) TCG SCALE 1" = 2'-0" (STBD)

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GAGE 94421 SIZE B REV. -

HEIGHT ABOVE KEEL - FEET

TANK: FULL OIL OVERTLOW TANK



FRAMES 93-96		TOP OF TANK = 12.44 FT ABOVE KEEL			
		BOTTOM OF TANK = 3.81 FT ABOVE KEEL			
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	8209.	8.11	708.29	-4.04	MAXIMUM
98% FULL	8045.	8.03	708.11	-4.04	23.2

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 2'-0" (+ 690.FT)
- (5) TCG SCALE 1"= 1'-0" (STBD)

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CAGE 94421 SIZE B REV. -

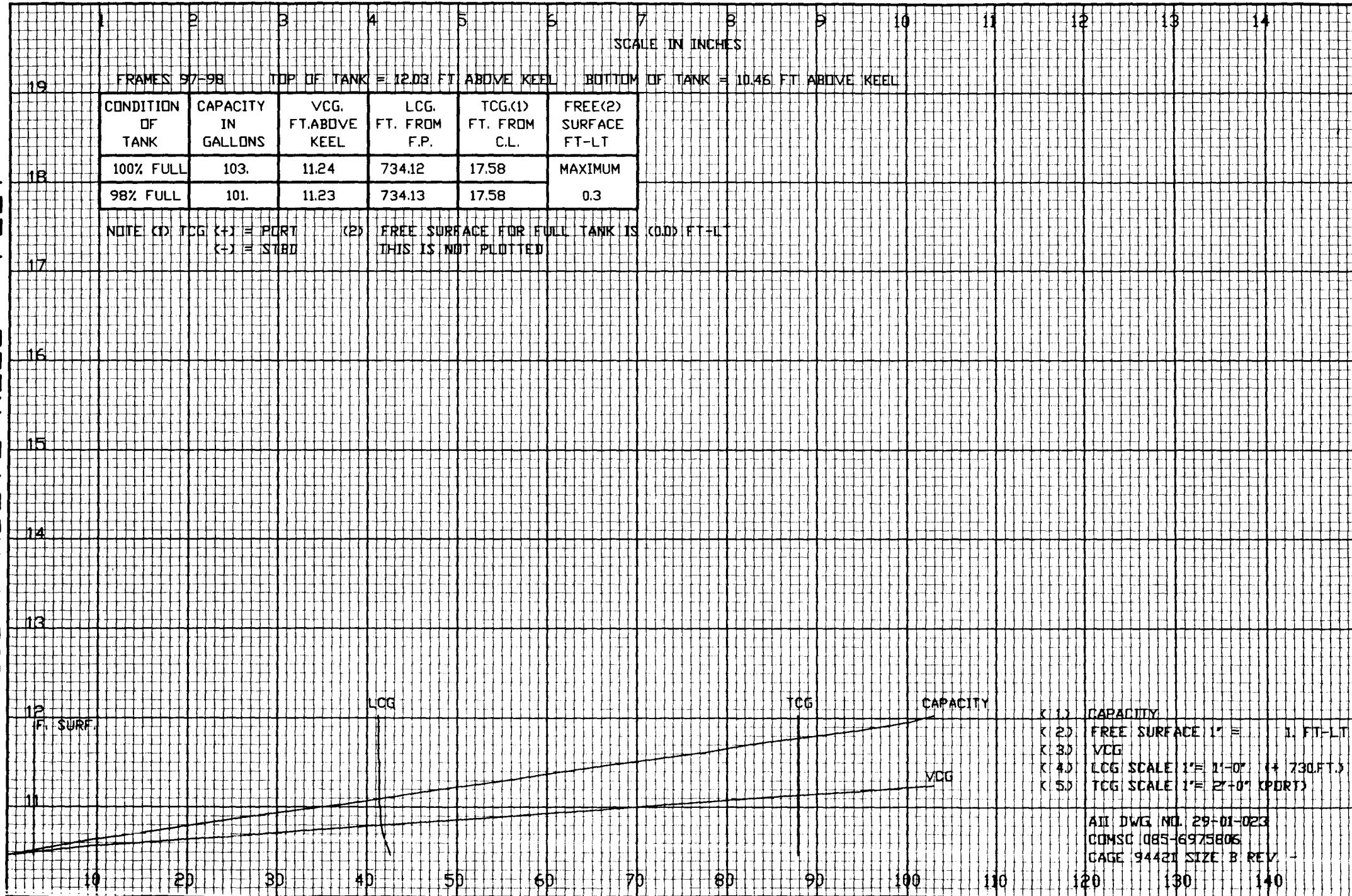
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 97-98 TOP OF TANK = 12.03 FT ABOVE KEEL BOTTOM OF TANK = 10.46 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	103.	11.24	734.12	17.58	MAXIMUM
98% FULL	101.	11.23	734.13	17.58	0.3

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 730.FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

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GAGE 94421 SIZE B REV. -

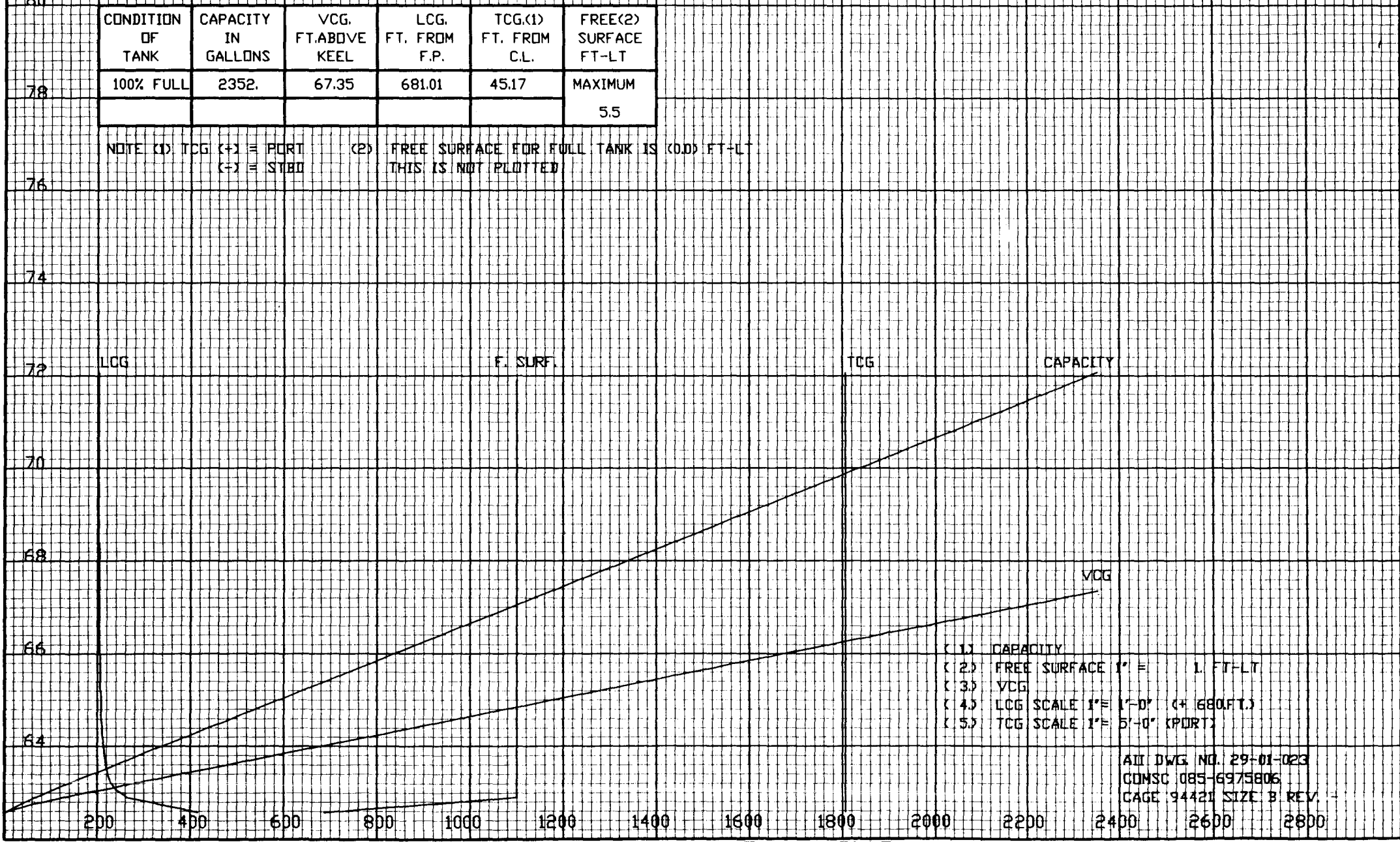
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 91-92 TOP OF TANK = 72.07 FT ABOVE KEEL BOTTOM OF TANK = 62.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	2352.	67.35	681.01	45.17	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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HEIGHT ABOVE KEEL - FEET

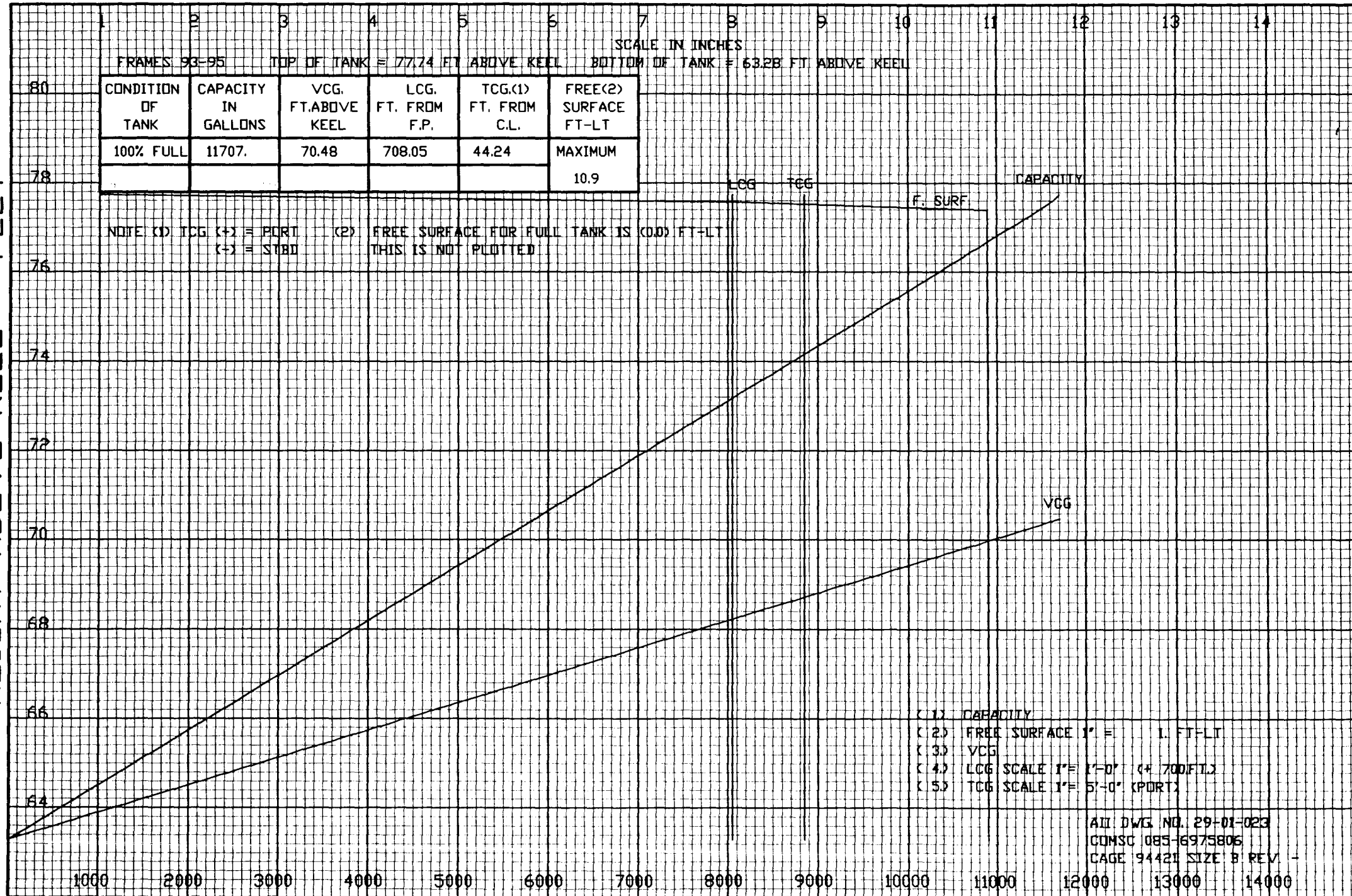
FRAMES 93-95 TOP OF TANK = 77.74 FT ABOVE KEEL BOTTOM OF TANK = 63.28 FT ABOVE KEEL

SCALE IN INCHES

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	11707.	70.48	708.05	44.24	MAXIMUM
					10.9

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

LCG TCG F. SURF CAPACITY



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 700 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

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CAPACITY IN GALLONS

SHEET NO. 75

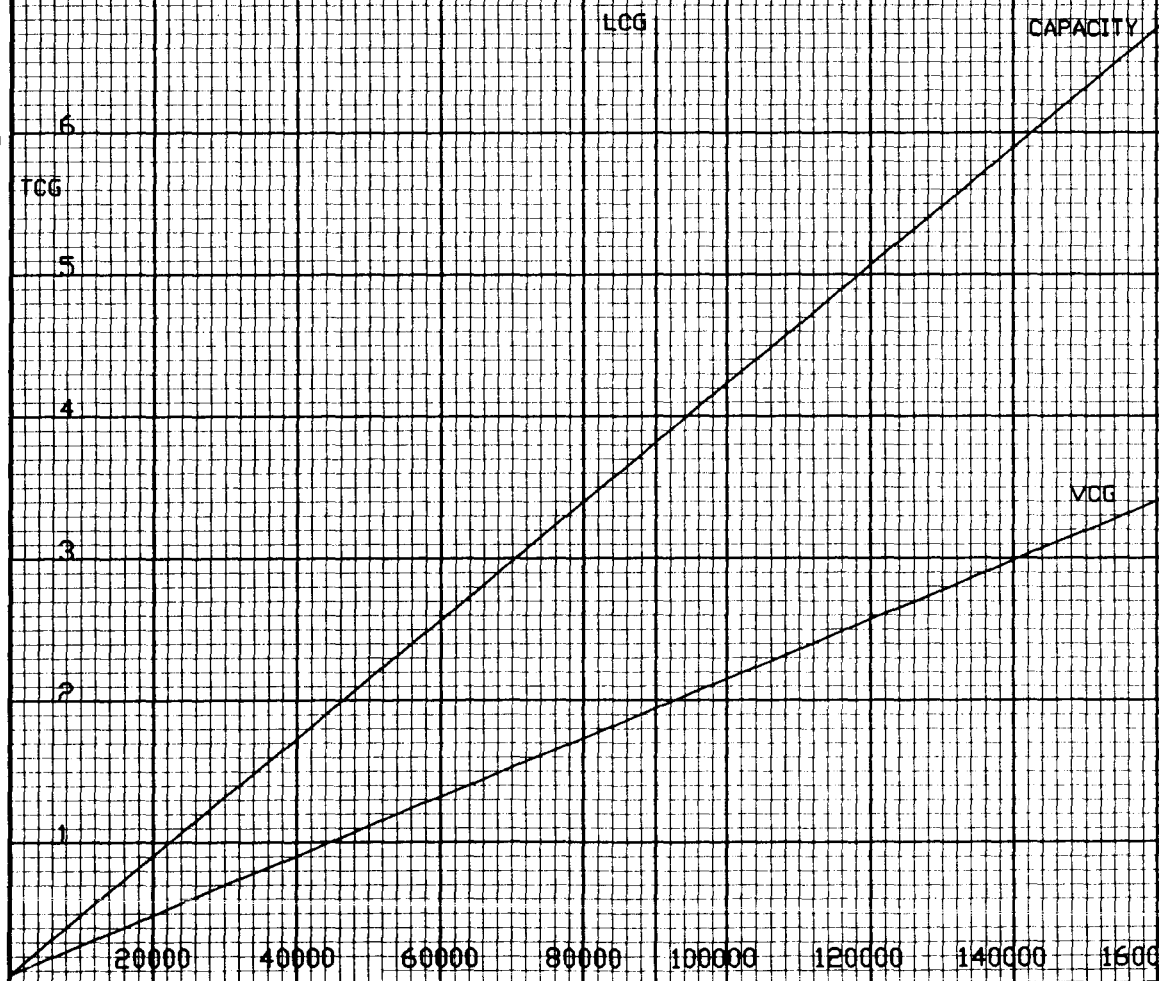
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 57-64 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	162126	3.45	404.50	0.00	N/A

NOTE (1) SYMMETRICAL TANK
TCG = 0 AT ALL LEVELS



- (1) CAPACITY
- (2) FREE SURFACE (NOT APPLICABLE)
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 400 FT.)

ALL DWG. NO. 29-01-023
COMSC 085-6975806
CAGE 94421 SIZE B REV. -